

# **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



aZ5076  
.A1U54



AGRICULTURE

Monograph  
Agriculture  
Library

United States  
Environmental  
Protection Agency

Office of Research  
Programs

Bibliographies  
and Lists of References  
of Agriculture  
Number 83

August 1989

MAP

# The Protection of Small Fruits and Berries, 1980-April 1989

Citations from AGRICOLA  
Concerning Diseases and Other  
Environmental Considerations



933198

United States  
Department of  
Agriculture

National  
Agricultural  
Library

United States  
Environmental  
Protection Agency

Office of Pesticide  
Programs

Bibliographies  
and Literature  
of Agriculture  
Number 81

August 1989



# The Protection of Small Fruits and Berries, 1980-April 1989

## Citations from AGRICOLA Concerning Diseases and Other Environmental Considerations

Compiled and Edited by  
Charles N. Bebee  
National Agricultural Library

United States Department  
of Agriculture  
National Agricultural Library  
Beltsville, Maryland 20705

and

United States Environmental  
Protection Agency  
Office of Pesticide Programs  
Washington, DC 20460



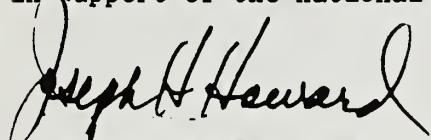
## FOREWORD

This is the 26th volume in a series of commodity-oriented environmental bibliographies resulting from a memorandum of understanding between the U.S. Department of Agriculture, National Agricultural Library (USDA-NAL), and the U.S. Environmental Protection Agency, Office of Pesticide Programs (EPA-OPP).

This close working relationship between the two agencies will produce a series of bibliographies which will be useful to EPA in the regulation of pesticides, as well as to any researcher in the field of plant or commodity protection. The broad scope of information contained in this series will benefit USDA, EPA, and the agricultural community as a whole.

The sources referenced in these bibliographies include the majority of the latest available information from U.S. publications involving commodity protection throughout the growing and processing stages for each agricultural commodity.

We welcome the opportunity to join this cooperative effort between USDA and EPA in support of the national agricultural community.



JOSEPH H. HOWARD, Director  
National Agricultural Library



DOUGLAS D. CAMPT, Director  
Office of Pesticide Programs



## INTRODUCTION

The citations in this bibliography are selected from the AGRICOLA database limited to those produced by North American authors. They cover articles or monographic publications added to the database from January 1980 - April 1989.

This is the 26th bibliography in a series of commodity-oriented listings of citations from AGRICOLA jointly sponsored by the National Agricultural Library, U.S. Department of Agriculture (USDA-NAL), and the Office of Pesticide Programs, U.S. Environmental Protection Agency (EPA-OPP). Additional volumes issued recently are Plant Growth Regulators for Higher Plants, The Protection of Sugarcane and Sugar Beets, The Protection of Turf Grasses, The Protection of Hays, The Protection of Citrus, The Protection of Leaf Vegetables, The Protection of Root Vegetables, and The Protection of Corn. The 1989 volumes will include The Protection of Cotton, The Protection of Soybeans, The Protection of Wheat, The Protection of Grapes and Cherries, The Protection of Ornamental Plants, The Protection of Farm Animals, The Protection of Wildlife, and Vertebrate Pest Control.

Entries in the bibliography are subdivided into a series of section headings used in the contents of the Bibliography of Agriculture. Each item appears under every section heading assigned to the cited document. A personal author index is also included in the publication.

The U.S. Environmental Protection Agency contact for this project is Richard B. Peacock, Office of Pesticides and Toxic Substances.

Any comments or questions concerning this bibliography may be addressed to the compiler and editor:

Charles N. Bebee  
Special Services Branch  
USDA-NAL, Room 1402  
Beltsville, MD 20705  
(301) 344-4077



## AVAILABILITY OF CITED DOCUMENTS

### Non-USDA Patrons

The materials listed in this bibliography are available on interlibrary loan through your local library. The librarian in your public, State, university, or corporate library can assist you in obtaining materials either in your area or directly from the National Agricultural Library. Current charges for photocopies are \$5 for the first 10 pages, \$3 for each additional 10 pages, \$5 for the first fiche, and \$.50 for each additional fiche. Invoices are issued quarterly. Requests must comply with the National or International Interlibrary Loan Code. If you have questions about the availability of these materials, please write to:

Lending Branch  
National Agricultural Library  
Beltsville, MD 20705

### USDA Patrons

The materials listed in this bibliography may be obtained by submitting one Form AD-245 for each item requested to your local Agency or Regional Document Delivery System Library or directly to the National Agricultural Library, Lending Branch.



## EPA BIBLIOGRAPHY

The Protection of Small Fruits and Berries, 1980 - April 1989

### Contents

	<u>Item Number</u>
Meteorology and Climatology	1 - 6
U.S. Extension Services	7
Legislation	8 - 11
Economics of Agric. Production	12
Farm Organization and Management	13 - 16
Distribution and Marketing	17 - 18
Plant Science	19 - 20
Plant Production - Horticultural Crops	21 - 147
Plant Production - Field Crops	148 - 150
Plant Breeding	151 - 196
Plant Ecology	197 - 205
Plant Structure	206 - 220
Plant Nutrition	221 - 247
Plant Physiology and Biochemistry	248 - 514
Plant Taxonomy and Geography	515 - 516
Protection of Plants	517 - 544
Pests of Plants - General and Misc.	545 - 550
Pests of Plants - Insects	551 - 672
Pests of Plants - Nematodes	673 - 679
Plant Diseases - General	680 - 706
Plant Diseases - Fungal	707 - 798
Plant Diseases - Bacterial	799 - 802
Plant Diseases - Viral	803 - 811
Plant Diseases - Physiological	812 - 818
Miscellaneous Plant Disorders	819 - 857
Protection of Plant Products - General and Misc.	858 - 885
Protection of Plant Products - Insects	886 - 891
Weeds	892 - 965
Pesticides - General	966 - 999
Soil Biology	1000 - 1002
Soil Chemistry and Physics	1003 - 1007
Soil Fertility - Fertilizers	1008 - 1034
Soil Cultivation	1035 - 1036
Forestry Related	1037 - 1052
Forestry Production - General	1053
Forestry Production - Natural Regeneration	1054
Forestry Production - Artificial Regeneration	1055 - 1056
Fire Management	1057
Entomology Related	1058 - 1071
Apiculture Related	1072 - 1075



Animal Ecology	1076 - 1079
Animal Physiology and Biochemistry	1080 - 1081
Animal Taxonomy and Geography	1082
Animal Disorders - Physical Trauma	1083
Nonfood and Nonfeed	1084
Farm Equipment	1085 - 1090
Water Resources and Management	1091
Drainage and Irrigation	1092 - 1098
Food Science - Horticultural Crop	1099 - 1100
Food Processing	1101
Food Processing - Horticultural Crop	1102
Food Storage - Horticultural Crop	1103 - 1115
Food Contamination - Horticultural Crop	1116 - 1120
Food Composition - Horticultural Crop	1121 - 1131
Agricultural Products - Plant	1132
Pollution	1133 - 1142
Mathematics and Statistics	1143 - 1147
Documentation	1148
Human Medicine, Health and Safety	1149

Index

Author Index

Page

141 - 149



# EPA BIBLIOGRAPHY

## METEOROLOGY AND CLIMATOLOGY

0001

**Acclimation and winterhardiness patterns in the eastern thornless blackberry.**

JOSHB. Kraut, J.L. Walsh, C.S.; Ashworth, E.N. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. May 1986. v. 111 (3). p. 347-352. Includes references. (NAL Call No.: DNAL 81 S012).

0006

**Observations on the overwintering of Oriental persimmons in Maryland.**

NONGA. Shanks, J.B. Hamden, Conn. : The Association. Annual report of the Northern Nut Growers Association. 1984. (75th). p. 21-27. 111. (NAL Call No.: DNAL 94.69 N81).

0002

**An agrometeorological model for assessing the effect of heat stress during the flowering and early fruit set on avocado yields.**

JOSHB. Lomas, J. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Jan 1988. v. 113 (1). p. 172-176. Includes references. (NAL Call No.: DNAL 81 S012).

0003

**An analysis of several climatic temperature variables dealing with olive reproduction (*Olea europaea*, thermal relations, vernalization).**

Denney, J.O. JOSHB. McEachern, G.R. Alexandria : The Society. Journal of the American Society for Horticultural Science. July 1983. v. 108 (4). p. 578-581. Includes references. (NAL Call No.: 81 S012).

0004

**Coming winter will stress avocado trees.**

Palmer, T.Y. Vista, Calif., Rancher Publications. Avocado grower. July 1980. v. 4 (7). p. 40-41. map. (NAL Call No.: SB379.A9A9).

0005

**Growth and survival of the highbush blueberry in response to root zone flooding.**

JOSHB. Abbott, J.D. Gough, R.E. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. July 1987. v. 112 (4). p. 603-608. Includes references. (NAL Call No.: DNAL 81 S012).

# U.S. EXTENSION SERVICES

0007

Extension based tree and small fruit insect pest management strategies (Numerous pests include Aphida, moth larvae, flies, mites, etc.).

Leeper, J.R. Geneva, N.Y., The Station. New York's food and life sciences bulletin - New York State Agricultural Experiment Station, Geneva. 1981. 1981. (88). 19 p. (NAL Call No.: S95.E22).

# LEGISLATION

0008

**Everything you ever needed to know about root rot law (*Phytophthora cinnamomi*, avocado root rot).**

Lopardo, S.V. Vista, Calif. : Rancher Pub.  
Avocado grower. Feb 1983. v. 7 (2). p. 34-37.  
(NAL Call No.: SB379.A9A9).

0009

**Ficus plant.**

Sooval, J. Washington, D.C. : The Office.  
United States patent. Plant - United States  
Patent and Trademark Office. Apr 22, 1986.  
(5,727). 2 p. plates. (NAL Call No.: DNAL  
156.65 P69).

0010

**Tayberry (Hybrid Rubus variety "tayberry",**  
fruit is medium firm, slightly glossy and  
highly flavored, susceptible to crown gall  
*Agrobacterium radiobacter tumefaciens*, fruit  
stores well when deep frozen).

Jennings, D.L. Washington, D.C., The Office.  
United States patent. Plant - United States  
Patent and Trademark Office. 2 p. plates. (NAL  
Call No.: 156.65 P69).

0011

**USDA bans import of Hawaiian avocados (due to  
Oriental fruit fly infestation).**

Vista, Calif., Rancher Publications. Avocado  
grower. Oct 1980. v. 4 (10). p. 9. (NAL Call  
No.: SB379.A9A9).

# ECONOMICS OF AGRIC. PRODUCTION

0012

**Poor returns spur interest in minor crops.**  
Linden, T. Newport Beach, Calif. : Western  
Grower & Shipper Publishing Co. Western grower  
and shipper. Sept 1985. v. 56 (9). p. 7-8, 28.  
ill. (NAL Call No.: DNAL 280.38 W52).

# FARM ORGANIZATION AND MANAGEMENT

0013

**An economic evaluation of hexazinone use for weed control in lowbush blueberry production.**  
HUHSA. Hanchar, J.J. Skinner, S.P.; Yarborough, D.E.; Ismail, A.A. Alexandria, Va. : American Society for Horticultural Science. HortScience. June 1985. v. 20 (3, section I). p. 404-405. ill. Includes 5 references. (NAL Call No.: DNAL SB1.H6).

0014

**Economic injury level model for tarnished plant bug, *Lygus lineolaris* (Palisot de Beauvois) (Hemiptera: Miridae), in strawberry fields.**  
EVETEX. Mailoux, G. Bostanian, N.J. College Park, Md. : Entomological Society of America. Abstract: A 2-yr study revealed that the relationship between the density of tarnished plant bug (TPB), *Lygus lineolaris* (Palisot de Beauvois), per blossom cluster and the yield reduction of strawberries can be described by a nonlinear regression equation. Strawberry cv. Redcoat was found to have a carrying capacity of 0.90 TPB nymphs per blossom cluster. The economic injury level (EIL) was estimated to be at 0.95-0.99 TPB nymphs per blossom cluster when strawberry weight was considered. However, at the above EIL, 13% of the berries showed signs of TPB injury at harvest. Based on the percentage of uninjured berries at harvest, an action threshold of 0.26 nymphs per blossom cluster was determined. Environmental entomology. June 1988. v. 17 (3). p. 581-586. Includes references. (NAL Call No.: DNAL QL461.E532).

0015

**Selecting avocado rootstocks for specific conditions.**  
Ben Yacov, A. Fallbrook, Calif. : Rancher Publications. California grower. May 1988. v. 12 (5). p. 14. (NAL Call No.: DNAL SB379.A9A9).

0016

**Weed response, yield, and economics of hexazinone and nitrogen use in lowbush blueberry production.**  
WEESAG. Yarborough, D.E. Hanchar, J.J.; Skinner, S.P.; Ismail, A.A. Champaign, Ill. : Weed Science Society of America. Weed science. Sept 1986. v. 34 (5). p. 723-729. Includes references. (NAL Call No.: DNAL 79.8 W41).

# DISTRIBUTION AND MARKETING

0017

**Brambles: find market first.**  
WEFGA. Aylsworth, J. Willoughby, Ohio : Meister  
Pub. Co. Western fruit grower. May 1988. v. 108  
(5). p. 37-38. ill. Includes references. (NAL  
Call No.: DNAL 80 G85W).

0018

**Disorders in apricot and papaya shipments to  
the New York market 1972-1985.**  
PLDIDE. Capellini, R.A. Ceponis, M.J.;  
Lightner, G.W. St. Paul, Minn. : American  
Phytopathological Society. Plant disease. Apr  
1988. v. 72 (4). p. 366-368. Includes  
references. (NAL Call No.: DNAL 1.9 P69P).

# PLANT SCIENCE

0019

**The USDA Economic Botany Laboratory's data base on minor economic plant species.**

Duke, J. Washington, D.C. : For sale by the Supt. of Docs., U.S. G.P.O., 1983. Plants : the potentials for extracting protein, medicines, and other useful chemicals : workshop proceedings / Congress of the United States, Office of Technology Assessment. Includes list of ecological amplitudes of 100 perennial weeds. p. 196-214, 43-45. ill. Includes 10 references. (NAL Call No.: DNAL TP453.P7P557).

0020

**4-H vegetable gardening and small fruit growing project guide.**

Vance, Ben F. Naeve, Linda. 1979. Selected learning objectives correlated with home garden project activities. Includes suggestions for beginners, intermediates, and advanced members. Document available from: Publications Distribution, Iowa State University, Ames, Iowa 50011. Publication intended for Member, Elementary Level. Leader's guide available. Learning Experience: Knowledge, skills, practices; Family; Decision making; Careers, earning and saving. 4 p. : ill. (NAL Call No.: S533.F6618). (NAL Call No.: 4-H-462-MP).

# PLANT PRODUCTION - HORTICULTURAL CROPS

0021

**Adaptability of blueberry species to various soil types. I. Growth and initial fruiting.**  
JDSHB. Korcak, R.F. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Nov 1986. v. 111 (6). p. 816-821. ill. Includes references. (NAL Call No.: DNAL 81 S012).

0022

**Adventitious shoot and plantlet formation from cultured pomegranate leaf explants.**  
HUHSA. Omura, M. Matsuta, N.; Moriguchi, T.; Kozaki, I. Alexandria, Va. : American Society for Horticultural Science. HortScience. Feb 1987. v. 22 (1). p. 133-134. ill. Includes references. (NAL Call No.: DNAL SB1.H6).

0023

**Affect of time of day scions are cut on longevity of scions in polyethylene bags (Persea americana, weed control).**  
Clift, C. s.l., The Society. Proceedings of the ... annual meeting of the Florida State Horticultural Society. 1980 (pub 1981). v. 93. p. 161. 2 ref. (NAL Call No.: 81 F66).

0024

**Anthracnose of cane fruits and its control on black raspberries in Wisconsin /Leon K. Jones.**  
Jones, Leon K. 1895-. Madison, Wis. : Agricultural Experiment Station of the University of Wisconsin, 1924. Cover title. 26 p., 4 p. of plates : ill. ; 23 cm. Bibliography: p. 25-26. (NAL Call No.: DNAL 100 W75 (2) no.59).

0025

**Antitranspirant increases also effectiveness as chemical aid for harvesting olive.**  
El-Tamzini, M.I.HJHSA. Shaladan, M.S.; Niazi, Z.M. Alexandria : American Society for Horticultural Science. HortScience. Dec 1982. v. 17 (6). p. 965-966. 11 ref. (NAL Call No.: SB1.H6).

0026

**Avocado growth and development (Varieties, Florida).**  
Davenport, T.L.PFSHA. Lake Alfred : The Society. Proceedings of the ... annual meeting - Florida State Horticultural Society. 1982. v. 95. p. 92-96. ill. Includes references. (NAL Call No.: 81 F66).

0027

**The blackberry mite the cause of redberry disease of Himalaya blackberry and its control /E.O. Essig.**  
Essig, E. O. b. 1884. Berkeley, Cal. : Agricultural Experiment Station, 1925. Cover title. 10 p., 1 leaf of plates : ill. (one col.), 1 map ; 24 cm. Includes bibliographical references. (NAL Call No.: DNAL 100 C12S no.399).

0028

**Blueberries--insect, disease, and weed control guide for commercial growers (in Idaho).**  
Corvallis : The Service. PNW - Pacific Northwest Extension Publication - Oregon State University, Extension Service. Sept 1983. Sept 1983. (232). 16 p. (NAL Call No.: 275.29 W27PN).

0029

**Bramble fruitsraspberries, blackberries, dewberries.**  
Anderson, Harry W.\_1885-; Colby, A. S.\_1887-; Flint, W. P.\_1882-. Urbana, Ill. : University of Illinois College of Agriculture, Agricultural Experiment Station and Extension Service, 1935 . Illustrations on cover.~ Cover-title: Bramble fruits; raspberries, blackberries, dewberries, how to grow in Illinois. 72 p., 1 leaf of plates : ill. (some col.) ; 23 cm. (NAL Call No.: DNAL 275.29 IL62C no.427).

0030

**Brambles: find market first.**  
WEFGA. Aylsworth, J. Willoughby, Ohio : Meister Pub. Co. Western fruit grower. May 1988. v. 108 (5). p. 37-38. ill. Includes references. (NAL Call No.: DNAL 80 G85W).

0031

**Calcium reduced defoliation induced by 2-chloroethyl-tris-(2-methoxyethoxy) silane in olive (Chemical aid for harvesting).**  
El-Tamzini, M.I.HJHSA. Niazi, Z.M.; Shaladan, M.S. Alexandria : American Society for Horticultural Science. HortScience. Dec 1982. v. 17 (6). p. 966-968. ill. 15 ref. (NAL Call No.: SB1.H6).

0032

**Caneburning in red raspberries--what, why, when, how? (Primocane control).**  
Norton, R.A. Portland, The Society. Annual report - Oregon Horticultural Society. 1982. v. 73. p. 140-142. (NAL Call No.: 81 OR32).

(PLANT PRODUCTION - HORTICULTURAL CROPS)

0033

**Carambola production in Florida.**

Campbell, C.W. Knight, R.J. Jr.; Olszack, R. S. L. : The Society. Proceedings of the ... annual meeting of the Florida State Horticulture Society. 1986. v. 98. p. 145-149. ill. Includes references. (NAL Call No.: DNAL SB319.2.F6F56).

0034

**Chemical defoliation of fig nursery stock using ethephon, harvade, and D-WK surfactant.**  
Dozier, W.A. Jr. Gilliam, C.H.; Knowles, J.W. Washington, D.C. : Horticultural Research Institute. Journal of environmental horticulture. Sept 1987. v. 5 (3). p. 116-119. Includes references. (NAL Call No.: DNAL SB1.J66).

0035

**The chemical eradication of ribes /by H.R. Offord.**

Offord, H. R. 1903-. Washington : U.S. Dept. of Agriculture, 1931. Caption title. 24 p. : ill. ; 23 cm. Literature cited: p. 24. (NAL Call No.: DNAL 1 Ag84Te no.240).

0036

**Chemical loosening agents to assist mechanical harvest of olive.**

Martin, G.C. Lavee, S.; Sibbett, G.S. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. May 1981. v. 106 (3). p. 325-330. 13 ref. (NAL Call No.: 81 S012).

0037

**Classification of olive varieties for effective mechanical harvesting.**

TAAEA. Tsatsarelis, C.A. Akritidis, C.B.; Siatras, A.J. St. Joseph, Mich. : The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Nov/Dec 1984. v. 27 (6). p. 1669-1673. Includes references. (NAL Call No.: DNAL 290.9 AM32T).

0038

**Cleaning cranberry bog ditches a new technique / John S. Norton .**

Norton, John S. Amherst, Mass. : Experiment Station, College of Agriculture, University of Massachusetts, 1962. Cover title. 10 p. : ill. ; 23 cm. (NAL Call No.: DNAL 100 M38H (1) no.527).

0039

**Commercial bramble culture.**

Krewer, G. Myers, S.; Bertrand, P.; Horton, D. Athens, Ga. : The Service. Bulletin - Cooperative Extension Service, University of Georgia, College of Agriculture. Oct 1987. (964). 11 p. ill. Includes references. (NAL Call No.: DNAL 275.29 G29B).

0040

**Commercial raspberry pest control guide.**

Hertz, Leonard B. Stienstra, Ward.; Lofgren, John A. & Horticulture fact sheet. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1981. Examines fungicides, insecticides, spray schedule and weed control in raspberries. 1 sheet : ill. (NAL Call No.: Document available from source.).(NAL Call No.: FS No.52).

0041

**Commercially grown blueberries: insect, disease, and weed control guide for Washington State.**

Antonelli, A.L. Byther, R.S.; Doughty, C.C.; Scheer, W.P.A.; Shanks, C.H. Pullman, Wash., The Service. Extension bulletin - Washington State University, Cooperative Extension Service. May 1981. May 1981. (0849). 12 p. (NAL Call No.: 275.29 W27P).

0042

**Commercially grown raspberries: insect, disease, and weed control guide for Washington State.**

Shanks, C.H. Crandall, P.C.; Byther, R.S.; Antonelli, A.L.; Peabody, D.V.; Scheer, W.P.A. Pullman, Wash., The Service. Extension bulletin - Washington State University, Cooperative Extension Service. May 1981. May 1981. (0847). 13 p. (NAL Call No.: 275.29 W27P).

0043

**A comparative study of dusting by means of airplane and ground machine for the control of the blueberry maggot /F.H. Lathrop and C.B. Nickels.**

Lathrop, Frank H. 1891-. Nickels, C. B. 1898-. Washington, D.C. : U.S. Dept. of Agriculture, 1930. Caption title. "Contribution from Bureau of Entomology." 15 p. : ill. ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 1 Ag84C no.123).

(PLANT PRODUCTION - HORTICULTURAL CROPS)

0044

**Comparison of two nitrogen fertilizer sources for highbush blueberries.**

HJHSA. Brown, G.R. Wolfe, D.; Rasnake, M. Alexandria, Va. : American Society for Horticultural Science. HortScience. Apr 1988. v. 23 (2). p. 314-315. Includes references. (NAL Call No.: DNAL SB1.H6).

Agricultural Engi. p. 171-177. ill. Includes 12 references. (NAL Call No.: DNAL SB360.3.I5 1983).

0045

**Container size and potting medium affect growth rate of weeping fig and loquat.**

McConnell, D.B. S.l. : The Society. Proceedings of the ... annual meeting of the Florida State Horticulture Society. Aug 1988. v. 100. p. 337-339. Includes references. (NAL Call No.: DNAL SB319.2.F6F56).

0050

**Ecology of the Sierra Nevada gooseberry in relation to blister rust control /Clarence R. Quick.**

Quick, Clarence R., 1902-. Washington : U.S. Dept. of Agriculture, 1954 . Cover title. 30 p. : ill. ; 23 cm. Bibliography: p. 29-30. (NAL Call No.: DNAL 1 Ag84C no.937).

0046

**Control of cranberry fruit rots by spraying /by R.B. Wilcox and H.F. Bergman.**

Wilcox, R. B. 1889-1949. Bergman, H. F. 1883-. Washington, D.C. : U.S. Dept. of Agriculture, 1945. Caption title. 6 p. : ill. ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 1 Ag84C no.723).

0051

**The effect of a divided canopy trellis design on thornless blackberry (Primocane-floricane separation, light interception, fruit quality, Maryland).**

Swartz, H.J. Gray, S.E.; Douglass, L.W.; Durner, E.; Walsh, C.S.; Galletta, G.J. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug 1984. v. 19 (4). p. 533-535. Includes references. (NAL Call No.: SB1.H6).

0052

**Effect of aminoethoxyvinylglycine, carboxymethylcellulose and growth regulators on longevity of fresh rabbiteye blueberries (Vaccinium ashei).**

Dekazos, E.D. s.l., The Society. Proceedings of the ... annual meeting of the Florida State Horticultural Society. 1980 (pub 1981). v. 93. p. 145-149. 21 ref. (NAL Call No.: 81 F66).

0047

**Control of sprouts on topworked avocado stumps with NAA formulations.**

CAVYA. Boswell, S.B. Bergh, B.O.; Whitsell, R.H. Saticoy, Calif. : The Society. Yearbook - California Avocado Society. 1984. v. 68. p. 187-189. ill. Includes references. (NAL Call No.: DNAL 81 C128).

0053

**Effect of container size and fertilization rate on quality of three species of foliage plants (Ficus benjamina, Brassaia actinophylla, Philodendron selloum).**

Broschat, T.K. S.l., The Society. Proceedings of the ... annual meeting of the Florida State Horticultural Society. 1981 (pub. 1982). v. 94. p. 113-114. Includes 4 ref. (NAL Call No.: 81 F66).

0048

**Currants and gooseberries their culture and relation to white-pine blister rust /by George M. Darrow and S.B. Detwiler.**

Darrow, George M. 1889-. Detwiler, Samuel B. 1881-. Washington, D.C. : U.S. Dept. of Agriculture, 1934. Originally issued Aug. 1924.~ "This bulletin is a revision of and supersedes Farmers' bulletin 1024.". 42 p. : ill., 2 maps ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 1 Ag84F no.1398 1934).

0054

**Effect of fertilizer applications, plant age, and rainfall on the yield and fruit size of rabbiteye blueberry clone T-110.**

JOSH. Austin, M.E. Bondari, K. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Nov 1986. v. 111 (6). p. 840-844. Includes references. (NAL Call No.: DNAL 81 S012).

0049

**Date production mechanization - worldwide.**

Brown, G.K. Sarig, Y.; Perkins, R.M. St. Joseph, Mich. : American Society of Agricultural Engineers, c1984. Fruit, nut, and vegetable harvesting mechanization : proceedings, International Symposium on Fruit ... Mechanization, Oct 5-12, 1983, Volcani Center, Bet Dagan, Israel / Institute of

(PLANT PRODUCTION - HORTICULTURAL CROPS)

0055

**Effect of height of pruning on size of berries and yield in the latham raspberry /W.G.**

**Brierley.**

Brierley, W. G. 1885-. St. Paul, Minn. : University Farm, 1931. Cover title. 20 p. : charts ; 23 cm. Bibliography: p. 20. (NAL Call No.: DNAL 100 M66 no.281).

1984. v. 19 (4). p. 531-532. Includes 11 references. (NAL Call No.: SB1.H6).

0056

**Effect of indolebutyric acid on rooting kiwifruit and guava hardwood cuttings**

(*Actinidia chinensis*, *Psidium guajava*).

Treeby, M.T. Boulder : International Plant Propagators' Society. The Plant propagator. Jan 1983. v. 28 (4). p. 7-10. Includes references. (NAL Call No.: 81 P692).

0061

**Effect of training system on performance of hand-harvested summer-bearing raspberries.**

HJHSA. Nehrbas, S.R. Pritts, M.P. Alexandria, Va. : American Society for Horticultural Science. HortScience. Feb 1988. v. 23 (1). p. 126-127. Includes references. (NAL Call No.: DNAL SB1.H6).

0057

**Effect of manufacturing and preserving processes on the vitamins of cranberries /by**

**Paul D. Isham and Carl R. Fellers.**

Isham, Paul D. 1906-. Fellers, Carl Raymond, 1893-. Amherst, Mass. : Massachusetts State College, 1933. Cover title. 19 p. ; 23 cm. Bibliography: p. 17-19. (NAL Call No.: DNAL 100 M38H (1) no.296).

0062

**Effects of aminoethoxyvinylglycine (AVG) on bloom delay, fruit maturity and quality of 'Tifblue' and 'Woodard' rabbiteye blueberries (*Vaccinium ashei*).**

Dekazos, E.D. AR-RRC. s.l., The Society. Proceedings of the ... annual meeting of the Florida State Horticultural Society. June 1, 1980. v. 92. p. 248-252. ill. 10 ref. (NAL Call No.: 81 F66).

0058

**Effect of node position on the rooting of single node cuttings of *Ficus elastica* 'Decora'.**

Gooch, M. HI. Criley, R.A. Honolulu, The Service. Horticulture digest - University of Hawaii, Cooperative Extension Service. June 1980. June 1980. (55). p. 5-6. ill. (NAL Call No.: SB403.H6).

0063

**The effects of chemical primocane suppression on growth, yield, and chemical composition of red raspberries.**

Crandall, P.C. Chamberlain, J.D.; Garth, J.K.L. Mount Vernon, Va., The Society. Journal of the American Society for Horticultural Science. American Society for Horticultural Science. Mar 1980. v. 105 (2). p. 194-196. ill. 10 ref. (NAL Call No.: 81 S012).

0064

**Effects of cultivar, cultural practices and growth regulators on yield and quality of machine-harvested blackberries.**

Morris, J.B. Fayetteville, Ark. : Arkansas State Horticultural Society. Proceedings of the ... annual meeting - Arkansas State Horticultural Society. Paper presented at the "106th Annual Meeting of the Arkansas State Horticultural Society," November 13 and 14, 1985, Fort Smith, Arkansas. 1985. (106). p. 183-187. Includes 18 references. (NAL Call No.: DNAL SB21.A7A7).

0065

**Effects of cultivar, irrigation, and ethephon on the yield, harvest distribution, and quality of machine-harvested blackberries.**

Sims, C.A. Morris, J.R. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. July 1982. v. 107 (4). p. 542-547. ill. 10 ref. (NAL Call No.: 81 S012).

0059

**The effect of organic amendments on lowbush blueberry production.**

Warman, P.R. St. Joseph, Mich. : American Society of Agricultural Engineers, c1985. Agricultural waste utilization and management : proceedings of the Fifth International Symposium on Agricultural Wastes, December 16-17, 1985, Hyatt Regency Chicago, Illinois Center, Chicago, Illinois. p. 418-425. Includes references. (NAL Call No.: DNAL TD930.157 1985).

0060

**Effect of pollen source on fruit characteristics of low-chilling highbush type blueberries (Plant breeding, fruit set and seed number).**

Gupton, C.L. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug

(PLANT PRODUCTION - HORTICULTURAL CROPS)

0066

**Effects of cultivar, soil moisture, and hedge height on yield and quality of machine-harvested erect blackberries.**

JOSHB. Morris, J.R. Sims, C.A. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Sept 1985. v. 110 (5). p. 722-725. Includes references. (NAL Call No.: DNAL 81 S012).

review. p. 332-348. Includes 96 references. (NAL Call No.: DNAL SB360.3.I5 1983).

0067

**Effects of daminozide, ethephon, and dikegulac on yield, harvest distribution, and ripening of blackberries.**

Lipe, J.A. Alexandria, Va., American Society for Horticultural Science. HortScience. Oct 1980. v. 15 (5). p. 585-587. 8 ref. (NAL Call No.: SB1.H6).

0072

**Effects of soil-applied paclobutrazol on growth and fruit yield of rabbiteye blueberries.**

HJHSA. Spiers, J.M. Alexandria, Va. : American Society for Horticultural Science. HortScience. Paper presented at the "45th Annual Meeting of the ASHS Southern Region," 3-5 February, 1985, Biloxi, Mississippi. Includes abstract. Aug 1985. v. 20 (4). p. 664. (NAL Call No.: DNAL SB1.H6).

0068

**Effects of defoliation on growth and yield of 'Redchief' strawberries.**

Kerkhoff, K.L. Williams, J.M.; Barden, J.A. s.l. : North American Strawberry Growers Association. Advances in strawberry production. Spring 1988. v. 7. p. 26-28. Includes references. (NAL Call No.: DNAL SB385.A34).

0073

**The effects of some chemicals and growth substances on pollen germination and tube growth of date palm (*Phoenix dactylifera*).**

Asif, M.I. HJHSA. Al-Tahir, O.A.; Faran, A.F. Alexandria : American Society for Horticultural Science. HortScience. Aug 1983. v. 18 (4, sect.1). p. 479-480. Includes references. (NAL Call No.: SB1.H6).

0069

**Effects of duration of flower and runner removal on productivity of three photoperiodic types of strawberries.**

JOSHB. Pritts, M.P. Worden, K.A. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Mar 1988. v. 113 (2). p. 185-189. Includes references. (NAL Call No.: DNAL 81 S012).

0074

**Establishment and maintenance of rabbiteye blueberries.**

MAEBB. Spiers, J.M. Braswell, J.H.; Hegwood, C.P. Jr. Mississippi State, Miss. : The Station. Bulletin - Mississippi Agricultural & Forestry Experiment Station. Nov 1985. (941). 12 p. ill. (NAL Call No.: DNAL S79.E3).

0070

**Effects of fruit maturity, storage, presoaking, and seed cleaning on germination in three species of palms.**

Broschat, T.K. Donselman, H. Washington, D.C. : Horticultural Research Institute. Journal of environmental horticulture. Mar 1987. v. 5 (1). p. 6-9. Includes references. (NAL Call No.: DNAL SB1.J66).

0075

**Evaluation of (2-chloroethyl)methylbis(phenylmethoxy)silane (CGA-15281) as a chemical fruit abscising agent for olive using detached shoots.**

Sun, F.Z. HJHSA. Martin, G.C. Alexandria : American Society for Horticultural Science. HortScience. Dec 1982. v. 17 (6). p. 957-958. 7 ref. (NAL Call No.: SB1.H6).

0071

**Effects of mechanical harvesting on the quality of small fruits and grapes.**

Morris, J.R. St. Joseph, Mich. : American Society of Agricultural Engineers, c1984. Fruit, nut, and vegetable harvesting mechanization : proceedings, International Symposium on Fruit ... Mechanization, Oct 5-12, 1983, Volcani Center, Bet Dagan, Israel / Institute of Agricultural Engi. Literature

0076

**Farmyard manure and chemical fertilizers as a source of nutrients for raspberry (*Rubus idaeus*, Canada).**

Cheng, B.T. New York, N.Y., Marcel Dekker. Communications in soil science and plant analysis. 1982. v. 13 (8). p. 633-644. 22 ref. (NAL Call No.: S590.C63).

(PLANT PRODUCTION - HORTICULTURAL CROPS)

0077

**Ficus benjamina: avoid water stress to prevent leaf shedding.**

Peterson, J.C. Sacalis, J.N.; Durkin, D.J. Chicago, Ill. : Florists' Publishing Company. Florists' review. Jan 1, 1981. v. 167 (4335). p. 10-11, 37, 38. ill. Includes references. (NAL Call No.: 80 W41).

0078

**Field evaluation of herbicides on small fruit and vegetable crops, 1983 /by R.E. Talbert . . . et al. . --.**

Talbert, R. E. Fayetteville : Agricultural Experiment Station, Division of Agriculture, University of Arkansas, Fayetteville, 1984. "May 1985."~ Caption title. 31 leaves ; 28 cm. --. (NAL Call No.: DNAL 100 Ar42M no.324).

0079

**Figs in the home garden. II. Culture and management problems.**

Hopfinger, J.A. New Brunswick, N.J. : The Service. FS - Cooperative Extension Service, Cook College. 1987. (189). 2 p. (NAL Call No.: DNAL S544.3.N5F7).

0080

**Figs (Production, chemical composition).**

Bolin, H.R. King, A.D. Jr. Westport, Conn., AVI Pub. Co., 1980. Tropical and subtropical fruit : composition, properties, and uses, by Steven Nagy, Philip E. Shaw. Literature review. p. 492-505. Bibliography p. 503-505. (NAL Call No.: TX557.N33).

0081

**Flooding duration and seasonal effects on growth and development of young rabbiteye blueberry plants.**

JOSHB. Crane, J.H. Davies, F.S. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Mar 1988. v. 113 (2). p. 180-184. Includes references. (NAL Call No.: DNAL 81 S012).

0082

**Fruit development of the red raspberry and its relation to nitrogen treatment /Robert G. Hill, Jr.**

Hill, Robert George, 1922-. Wooster, Ohio : Ohio Agricultural Experiment Station, 1958. Cover title. 35 p. ; 23 cm. Bibliography: p. 35. (NAL Call No.: DNAL 100 OH3S (2) no.803).

0083

**Fruit yield and solar injury comparison of two primocane fruiting red raspberries.**

FVRJA. Renquist, A.R. Hughes, H.G. University Park, Pa. : American Pomological Society. Fruit Varieties journal. Oct 1987. v. 41 (4). p. 133-136. Includes references. (NAL Call No.: DNAL 80 F9464).

0084

**Glyphosate residues on avocado (Herbicide, *Persea americana*).**

Thompson, N.P. Lynch, A.A.; Bardalaye, P.C.; Phillips, R.L. s.l.. The Society. Proceedings of the . . . annual meeting of the Florida State Horticultural Society. 1980 (pub 1981). v. 93. p. 159-160. ill. 1 ref. (NAL Call No.: 81 F66).

0085

**Growing blackberries in Michigan.**

MUCBA. Hanson, E.J. Kesner, C.D. East Lansing, Mich. : The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. June 1987. (2030). 6 p. ill. (NAL Call No.: DNAL 275.29 M58B).

0086

**Growing blueberries.**

Schaller, C.C. Little Rock, Ark. : The Service. Leaflet EL - University of Arkansas, Cooperative Extension Service. 1987? . (600). 12 p. ill., maps. Includes references. (NAL Call No.: DNAL 275.29 AR4LE).

0087

**Growing blueberries in Missouri.**

Fuqua, B. Odneal, M.; Andersen, P.; Schroeder, M.; Ashley, G. Mountain Grove, Mo. : The Station. Bulletin - State Fruit Experiment Station of Southwest Missouri State University, Mountain Grove. Feb 1987. (42). 26 p. ill. (NAL Call No.: DNAL 100 M694).

0088

**Growing raspberries in Arkansas.**

Schaller, C.C. Little Rock, Ark. : The Service. Leaflet EL - Arkansas University, Cooperative Extension Service. Jan 1986. (661,rev.). 12 p. ill. (NAL Call No.: DNAL 275.29 AR4LE).

(PLANT PRODUCTION - HORTICULTURAL CROPS)

0089

**Growing raspberries in South Dakota.**

Peterson, R. M. Martin, Dean. 1978. Discusses the basic maintenance of the raspberry plant. Some include sites, moisture, soil, fertilizing, plant selection, training, cultivation, pruning, protection & pest management. Document available from: Ag Information Bulletin Room, South Dakota State Univ., Extension Bldg., Brookings, South Dakota 57007. 3 p. : ill. (NAL Call No.: FS 345).

0090

**Growing small fruits in the home garden.**

Courter, J. W. Doll, C. C.; Shurtleff, M. C.; Meador, D. B.; Skirvin, R. M. Document available from: University of Illinois, Agricultural Publications Office, 1301 Gregory Dr., Urbana, Illinois 61801 1981. This publication explains how to grow small fruits such as strawberries and brambles in the home garden. Detailed instructions are given. 55 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: Circular 935).

0091

**Growth and fruiting of 'Heritage' primocane fruiting red raspberry in response to daminozide and ethephon (*Rubus idaeus*, flower initiation, growth regulators).**

Braun, J.W. Garth, J.K.L. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Mar 1984. v. 109 (2). p. 207-209. Includes references. (NAL Call No.: 81 S012).

0092

**Growth control of laurel fig with chlorflurenol (*Ficus nitida*, street tree in southern California, chemical pruning).**

Hield, H.CAGRA. Hemstreet, S. Berkeley : The Station. California agriculture - California Agricultural Experiment Station. Nov/Dec 1982. v. 36 (11/12). p. 9-10. ill. (NAL Call No.: 100 C12CAG).

0093

**Growth regulator effects on adventitious root formation in leaf bud cuttings of juvenile and mature *Ficus pumila*.**

Davies, F.T. Jr. Joiner, J.N. Mount Vernon, Va., The Society. Journal of the American Society for Horticultural Science. American Society for Horticultural Science. Jan 1980. v. 105 (1). p. 91-95. ill. 12 ref. (NAL Call No.: 81 S012).

0094

**Growth-retarding effects of paclobutrazol in weeping fig.**

HJHSA. LeCain, D.R. Schekel, K.A.; Wample, R.L. Alexandria, Va. : American Society for Horticultural Science. HortScience. Oct 1986. v. 21 (5). p. 1150-1152. ill. Includes references. (NAL Call No.: DNAL SB1.H6).

0095

**Harvester recovery of mechanically harvested high bush blueberries.**

Cargill, B.F. Ledebuhr, R.L. St. Joseph, Mich. : American Society of Agricultural Engineers, c1984. Fruit, nut, and vegetable harvesting mechanization : proceedings, International Symposium on Fruit ... Mechanization, Oct 5-12, 1983, Volcani Center, Bet Dagan, Israel / Institute of Agricultural Engi. p. 127-133. ill. (NAL Call No.: DNAL SB360.3.I5 1983).

0096

**Hexazinone, a promising herbicide for highbush blueberries (Canada).**

Jensen, K.I.N. Alexandria, Va., American Society for Horticultural Science. HortScience. June 1981. v. 16 (3). p. 315-317. 10 ref. (NAL Call No.: SB1.H6).

0097

**Hints on growing blueberries.**

MUCA. Hanson, E.J. Hancock, J.F. East Lansing, Mich. : The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. Includes statistical data. Feb 1988. (2066). 8 p. ill. Includes references. (NAL Call No.: DNAL 275.29 M58B).

0098

**Home fruit production--figs.**

TAEBA. Lyons, C.G. McEachern, G.R. College Station, Tex. : The Station. B - Texas Agricultural Experiment Station. Dec 1987. (1591). 8 p. ill. (NAL Call No.: DNAL 100 T31S (1)).

0099

**Hormonal studies of flowers and developing fruit of the highbush blueberry (*Vaccinium corymbosum* L.) / by Robert James McNeil. -.**  
McNeil, Robert James. Ann Arbor, Mich. University Microfilms 1978. Thesis-Rutgers University, 1975. Facsimile produced by microfilm-xerography. xii, 62 leaves. Bibliography: leaves 59-61. (NAL Call No.: DISS 75-17,459).

(PLANT PRODUCTION - HORTICULTURAL CROPS)

0100

**How to fight cranberry insects /by Henry J. Franklin.**

Franklin, Henry J. 1883-1958. Amherst, Mass. : Massachusetts Agricultural Experiment Station, 1908. Cover title. 8 p. ; 23 cm. (NAL Call No.: DNAL 100 M38H (1) no.126).

0101

**Improving ethephon's effect on olive fruit abscission by glycerine.**

HJHSA. Ben-Tal, Y. Alexandria, Va. : American Society for Horticultural Science. HortScience. Oct 1987. v. 22 (5). p. 869-871. Includes references. (NAL Call No.: DNAL SB1.H6).

0102

**In vitro ovule culture of a seedless persimmon.**

JOHEA. Weigel, R.C. Hughes, K.W. Washington, D.C. : American Genetic Association. The Journal of heredity. May/June 1986. v. 77 (3). p. 213. ill. Includes 3 references. (NAL Call No.: DNAL 442.8 AM3).

0103

**In vitro propagation of 'Dolce Agogia' olive (Olea europaea).**

Rugini, E. Fontanazza, G. Alexandria, Va., American Society for Horticultural Science. HortScience. Aug 1981. v. 16 (4). p. 492-493. ill. 9 ref. (NAL Call No.: SB1.H6).

0104

**In vitro propagation of thornless trailing blackberries.**

Skirvin, R.M. Chu, M.C.; Gomez, E. Alexandria, Va., American Society for Horticultural Science. HortScience. June 1981. v. 16 (3). p. 310-312. ill. 15 ref. (NAL Call No.: SB1.H6).

0105

**In vitro studies on ethephon-induced abscission in olive. I. The effect of application period and concentration on uptake, ethylene evolution, and leaf abscission.**

Lavee, S. Martin, G.C. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. Jan 1981. v. 106 (1). p. 14-18. ill. 21 ref. (NAL Call No.: 81 S012).

0106

**Influence of stock plant propagation method on tissue culture and leaf-bud propagation of 'Northblue' blueberry.**

JOSHB. Grout, J.M. Read, P.E. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. May 1986. v. 111 (3). p. 368-371. (NAL Call No.: DNAL 81 S012).

0107

**Insects and diseases injurious to cranberries / E.S. Goff .**

Goff, E. S. 1852-1902. Madison, Wis. : University of Wisconsin, Agricultural Experiment Station, 1893. Cover title. 19 p. ; ill. ; 23 cm. (NAL Call No.: DNAL 100 W75 (1) no.35).

0108

**Interplanting: is it worth the headaches?**

(*Citrus* and *avocados*, *Phytophthora cinnamomi*, *cultural control*).

Vista, Calif., Rancher Publications. Avocado grower. Nov 1980. v. 4 (11). p. 26-27. ill. (NAL Call No.: SB379.A9A9).

0109

**Intracane yield compensation in the red raspberry (Fruit yield, photosynthetic assimilate partitioning, Washington).**

Braun, J.W. Garth, J.K.L. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. July 1984. v. 109 (4). p. 526-530. Includes 14 references. (NAL Call No.: 81 S012).

0110

**Irrigation scheduling for highbush blueberry in Arkansas.**

Byers, P.L. Fayetteville, Ark. : Arkansas State Horticultural Society. Proceedings of the ... annual meeting - Arkansas State Horticultural Society. Paper presented at the "106th Annual Meeting of the Arkansas State Horticultural Society," November 13 and 14, 1985, Fort Smith, Arkansas. 1985. (106). p. 152-156. Includes 6 references. (NAL Call No.: DNAL SB21.A7A7).

0111

**Irrigation scheduling for young highbush blueberry plants in Arkansas.**

HJHSA. Byers, P.L. Moore, J.N. Alexandria, Va. : American Society for Horticultural Science. HortScience. Feb 1987. v. 22 (1). p. 52-54. Includes references. (NAL Call No.: DNAL SB1.H6).

## (PLANT PRODUCTION - HORTICULTURAL CROPS)

0112

**Laboratory investigations to reduce ground loss in mechanically harvested highbush blueberries.**  
TAAEA. McCarthy, E.J. Rohrbach, R.P. St. Joseph, Mich. : The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Jan/Feb 1986. v. 29 (1). p. 65-69. ill. Includes references. (NAL Call No.: DNAL 290.9 AM32T).

0113

**Leaf potassium content and yield in the highbush blueberry.**  
HJHSA. Hancock, J.F. Nelson, J. Alexandria, Va. : American Society for Horticultural Science. HortScience. Oct 1988. v. 23 (5). p. 857-858. Includes references. (NAL Call No.: DNAL SB1.H6).

0114

**Mechanical harvest of red raspberry as affected by training systems.**  
HJHSA. Martin, L.W. Nelson, E. Alexandria, Va. : American Society for Horticultural Science. HortScience. June 1987. v. 22 (3). p. 400-401. Includes references. (NAL Call No.: DNAL SB1.H6).

0115

**Mode of leaf shedding from avocado cuttings and the effect of its delay on rooting (Leaf senescence, petiole abscission, auxin, cytokinin).**  
Raviv, M. Reuveni, O. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug 1984. v. 19 (4). p. 529-531. ill. Includes 3 references. (NAL Call No.: SB1.H6).

0116

**Mulch and irrigation placement effects on soil chemistry properties and rabbiteye blueberry plants irrigated with sodic water.**  
JOSHB. Patten, K.D. Neuendorff, E.W.; Leonard, A.T.; Haby, V.A. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Jan 1988. v. 113 (1). p. 4-8. Includes references. (NAL Call No.: DNAL 81 S012).

0117

**A new approach to thinning olives (Chemicals).**  
Martin, G.C. CA. Lavee, S.; Sibbett, G.S.; Nishijima, C.; Carlson, S.P. Berkeley, Calif., The Station. California agriculture - California Agricultural Experiment Station. Aug/Sept 1980. v. 34 (8/9). p. 7-8. ill. (NAL Call No.: 100 C12CAG).

0118

**New techniques draw interest (Integrated pest management, pick-your-own berry crops, New Jersey, Ohio).**  
Willoughby, Ohio : Meister Publishing Company. American fruit grower. Aug 1984. v. 104 (8). p. 11-12. ill. (NAL Call No.: 80 G85).

0119

**Pollination of avocado: some new insights with special reference to the 'Hass' variety.**  
CAVVA. Bekey, R. Saticoy, Calif. : The Society. Yearbook - California Avocado Society. 1986. v. 70. p. 91-97. ill. Includes references. (NAL Call No.: DNAL 81 C128).

0120

**Pollinator limitation, fruit production, and floral display in pawpaw (Asimina triloba).**  
Willson, M.F. Schemske, D.W. Bronx, The Club. Bulletin of the Torrey Botanical Club. July/Sept 1980. v. 107 (3). p. 401-408. ill. 19 ref. (NAL Call No.: 451 T63B).

0121

**Poor returns spur interest in minor crops.**  
Linden, T. Newport Beach, Calif. : Western Grower & Shipper Publishing Co. Western grower and shipper. Sept 1985. v. 56 (9). p. 7-8, 28. ill. (NAL Call No.: DNAL 280.38 W52).

0122

**Possible rejuvenation of adult avocado by graftage onto juvenile rootstocks in vitro.**  
HJHSA. Pliiego-Alfaro, F. Murashige, T. Alexandria, Va. : American Society for Horticultural Science. HortScience. Dec 1987. v. 22 (6). p. 1321-1324. ill. Includes references. (NAL Call No.: DNAL SB1.H6).

0123

**Propagation in vitro of chinini (Persea schiedeana Nees).**  
CAVVA. Gonzalez-Rosas, H. Salazar-Garcia, S.; Valdivia, V.V. Saticoy, Calif. : The Society. Yearbook - California Avocado Society. 1985. v. 69. p. 125-131. ill. Includes references. (NAL Call No.: DNAL 81 C128).

(PLANT PRODUCTION - HORTICULTURAL CROPS)

0124

**Pruning effects on productivity and vegetative growth in the highbush blueberry.**

HUHSA. Siefker, J.A. Hancock, J.F. Alexandria, Va. : American Society for Horticultural Science. HortScience. Apr 1987. v. 22 (2). p. 210-211. Includes references. (NAL Call No.: DNAL SB1.H6).

0125

**Quality loss in weeping fig caused by extreme temperatures during dark storage.**

RRMSD. Collins, P.C. Blessington, T.M. Mississippi State, Miss. : The Station. Research report - Mississippi Agricultural and Forestry Experiment Station. July 1984. v. 9 (15). 4 p. ill. Includes 12 references. (NAL Call No.: DNAL S79.E37).

0126

**Quality of 'Tifblue' rabbiteye blueberries and efficiency of machine harvesting at different times of day.**

JOSHB. Patten, K.D. Neuendorff, E.W.; Nimir, G. Alexandria, Va. : The Society. Fruit from 7- and 8-year-old 'Tifblue' rabbiteye blueberry *Vaccinium ashei* (Reade) plants were harvested at 0600, 0900, 1200, and 1500 HR. Harvests occurred twice a season for each of 2 years. Fruit cullage after machine harvesting averaged approximately 30% of total fruit harvested. The first machine harvest in a season had 6% to 16% less cullage than the last harvest. The number of mature fruit remaining on the plants after harvesting decreased with later harvest times during the day. Thus, an increase in harvester efficiency corresponded to decreased leaf water potential. The effect of harvest time during the day on packout and fruit quality after storage was inconsistent between and within years. There was no optimum time of day to machine-pick blueberries when fruit were promptly sorted and cooled after harvest. *Journal of the American Society for Horticultural Science*. Nov 1988. v. 113 (6). p. 953-956. Includes references. (NAL Call No.: DNAL 81 S012).

0127

**Raspberries.**

Hertz, Leonard B. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1980. This publication discusses raspberry planting site, pruning, training, maintenance and herbicide application. 1 sheet : ill. (NAL Call No.: Document available from source.).(NAL Call No.: FS No.20).

0128

**Raspberries--insect, disease, and weed control guide for commercial growers (in Idaho).**

Corvallis : The Service. PNW - Pacific Northwest Extension Publication - Oregon State University, Extension Service. Sept 1983. Sept 1983. (233). 16 p. (NAL Call No.: 275.29 W27PN).

0129

**Raspberries in the home garden.**

Gouliart, B.L. Pavlis, G.C. New Brunswick, N.J. : The Service. FS - Cooperative Extension Service, Cook College. 1987. (214). 5 p. ill. (NAL Call No.: DNAL S544.3.N5F7).

0130

**Relationship between abnormal embryo sac development and fruitfulness in olive (*Olea europaea*).**

Rallo, L. Martin, G.C.; Lavee, S. Alexandria, Va., The Society. *Journal of the American Society for Horticultural Science*. Nov 1981. v. 106 (6). p. 813-817. ill. Includes 19 ref. (NAL Call No.: 81 S012).

0131

**The relationship between seed number and pollen viability in *Vaccinium corymbosum* L. (Highbush blueberry).**

Kloet, S.P. VanderHJHSA. Alexandria : American Society for Horticultural Science. HortScience. Apr 1983. v. 18 (2). p. 225-226. Includes references. (NAL Call No.: SB1.H6).

0132

**Relationship of guava (*Psidium guajava* L.) fruit detachment force to the stage of fruit development and chemical composition (Mechanical harvesting, abscission).**

Paull, R.E.HUHSA. Goo, T. Alexandria : American Society for Horticultural Science. HortScience. Feb 1983. v. 18 (1). p. 65-67. ill. Includes references. (NAL Call No.: SB1.H6).

0133

**Response of lowbush blueberry to weed control with atrazine and hexazinone.**

HUHSA. Jensen, K.I.N. Alexandria, Va. : American Society for Horticultural Science. HortScience. Oct 1986. v. 21 (5). p. 1143-1144. Includes references. (NAL Call No.: DNAL SB1.H6).

# (PLANT PRODUCTION - HORTICULTURAL CROPS)

0134

M66 (3) no.69).

**Response of 'Tifblue' rabbiteye blueberry to soil-applied paclobutrazol.**

HJHSA. Spiers, J.M. Alexandria, Va. : American Society for Horticultural Science. HortScience. Oct 1988. v. 23 (5). p. 837-839. Includes references. (NAL Call No.: DNAL SB1.H6).

0135

**Retardation of woody ornamental plants with EL-500 (Subapical growth inhibitor, *Ficus benjamina*, greenhouse testing).**

Hield, H. Hemstreet, S.; Weng, V. Lake Alfred, Fla., The Society. Proceedings of the Plant Growth Regulator Society of America. 1981. 1981. (8th). p. 171-175. Includes 3 ref. (NAL Call No.: SB128.P5).

0136

**Row width affects disease control in Heritage red raspberry (*Rubus idaeus*, spur blight, caused by the fungus *Didymella applanata*, fall-bearing cultivars, Ohio).**

Ellis, M.A. ORRDA. Williams, R.N.; Krueger, H.R. Wooster : The Center. Ohio report on research and development in agriculture, home economics, and natural resources - Ohio Agricultural Research and Development Center. Sept/Oct 1982. v. 67 (5). p. 75-77. ill. (NAL Call No.: 100 OH3S (3)).

0137

**Seasonal development of highbush blueberry roots under sawdust mulch.**

JOSHB. Abbott, J.D. Gough, R.E. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Jan 1987. v. 112 (1). p. 60-62. Includes 25 references. (NAL Call No.: DNAL 81 S012).

0138

**Studies of cranberries during storage.**

Morse, F. W. 1865-; Jones, C. P.; Rudolph, B. A. 1889-; Franklin, Henry J. 1883-1958. Amherst, Mass. : Massachusetts Agricultural Experiment Station, 1920. Cover title. p. 75 -92 ; 23 cm. (NAL Call No.: DNAL 100 M38H (1) no.198).

0139

**A study of senescence in the red raspberry cane /W.G. Brierley.**

Brierley, W. G. 1885-. St. Paul : University Farm, 1930. Cover title.~ Originally presented as: Thesis (Ph. D.)--Michigan State College of Agriculture and Applied Science, 1930. 36 p. : ill., charts ; 23 cm. Bibliography: p. 35-36. (NAL Call No.: DNAL 100

0140

**Thornless blackberry is a climacteric fruit (*Rubus* sp., ethylene, ripening).**

Walsh, C.S. HJHSA. Popeno, J.; Solomos, T. Alexandria : American Society for Horticultural Science. HortScience. Aug 1983. v. 18 (4, sect.1). p. 482-483. ill. Includes references. (NAL Call No.: SB1.H6).

0141

**Training manual for pesticide applicator certification in Massachusetts : private applicator specialty: cranberries. -.**

(Amherst, Mass.) University of Massachusetts, Extension Service, Dept. of Entomology 1982. Cover title ~Pesticide Applicator Training collection ~Cat. no. 30. 26 p. ; 28 cm. --. (NAL Call No.: SB608.C87T7 1982).

0142

**Training manual for pesticide applicator certification in Massachusetts : private applicator specialty: small fruits / as revised by Karen Hauschild. -.**

Hauschild, Karen. (Amherst, Mass.) University of Massachusetts, Extension Service 1982. Cover title ~Pesticide Applicator Training collection ~Cat. no. 27. 31 p. ; 28 cm. --. (NAL Call No.: SB608.F8H37 1982).

0143

**Treatment of currants and cherries to prevent spot diseases /L.H. Pammel, G.W. Carver. Squirrel-tail grass or wild barley, (*Hordeum jubatum* L.) / by L.H. Pammel. The chemical composition of Squirrel-tail grass / J.B. Weems, W.H. Heileman.**

Pammel, L. H. 1862-1931. Carver, George Washington, 1864?-1943.; Weems, J. B.; Heileman, W. H. Ames, Iowa : Experiment Station, Iowa Agricultural College, 1895. Caption title. p. 289-321 : ill. ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 100 I09 no.30).

0144

**Urea retention and uptake by avocado and apple leaves.**

JPNUDS. Klein, I. Zilkah, S. New York, N.Y. : Marcel Dekker. Journal of plant nutrition. 1986. v. 9 (11). p. 1415-1425. Includes references. (NAL Call No.: DNAL QK867.J67).

(PLANT PRODUCTION - HORTICULTURAL CROPS)

0145

**Vaccinium membranaceum** berry production seven years after treatment to reduce overstory tree canopies.

NOSCA. Minore, D. Pullman, Wash. : Washington State University Press. Northwest science. Aug 1984. v. 58 (3). p. 208-212. Includes references. (NAL Call No.: DNAL 470 N81).

0146

**Vegetable gardening and small fruit growing project guide.**

Vance, Ben F. 1976. This guide suggests goals and activities for beginners, intermediate and advanced gardeners in such areas as preparing land, planting, maintenance, pest-control, harvesting and possibly marketing of fruits & vegetables. Suggestions for advanced gardeners also include commercial growing of fruits & vegetables. Document available from: Publications Distribution - Printing & Publications Bldg., Iowa State Univ. Ames, IA 50011. Publication intended for: Member; Elementary; Junior and Senior High. Leader's guide available. Learning Experience: Knowledge, skills, practices. (4) p. : ill. (NAL Call No.: 4H-462-MP).

0147

**Weed response, yield, and economics of hexazinone and nitrogen use in lowbush blueberry production.**

WEESA6. Yarborough, D.E. Hanchar, J.J.; Skinner, S.P.; Ismail, A.A. Champaign, Ill. : Weed Science Society of America. Weed science. Sept 1986. v. 34 (5). p. 723-729. Includes references. (NAL Call No.: DNAL 79.8 W41).

# PLANT PRODUCTION - FIELD CROPS

0148

**Field evaluation of herbicides on small fruit and vegetable crops, 1983 /by R.E. Talbert . . . et al. . --.**

Talbert, R. E. Fayetteville : Agricultural Experiment Station, Division of Agriculture, University of Arkansas, Fayetteville, 1984. "May 1985."~ Caption title. 31 leaves ; 28 cm. --. (NAL Call No.: DNAL 100 Ar42M no.324).

0149

**Lifetime biomass partitioning and yield component relationships in the highbrush blueberry, *Vaccinium corymbosum* L. (Ericaceae).**  
AJBOA. Pritts, M.P. Hancock, J.F. Baltimore, Md. : Botanical Society of America. American journal of botany. Mar 1985. v. 72 (3). p. 446-452. Includes references. (NAL Call No.: DNAL 450 AM36).

0150

**Postharvest biotechnology of oilseeds /authors, D.K. Salunkhe, B.B. Desai.**  
Salunkhe, D. K. Desai, B. B., 1941-. Boca Raton, Fla. : CRC Press, c1986. Abstract: A reference text for food producers, postharvest technologists, and food processors describes postharvest losses of oilseeds. The major and minor oilseed crops of the world are covered. Postharvest oilseed deterioration associated with the botany, physiology, and biochemistry of the individual crop is considered, with significant differences noted in storage and postharvest behavior of different oilseed species and cultivars. Following discussions of the food value of oilseeds and seed oils, their postharvest losses, loss reduction technology, and some of the more important characteristics of the biochemistry and aging of oilseeds, attention is focused on separate reviews of the characteristics, postharvest losses, and loss reduction technology of specific oilseeds.~ These separate reviews include: groundnut; sunflower seeds; rapeseed and mustard seeds; safflower seeds; soybean; coconut; oil palm; castor seed; linseed, niger, and cottonseed; crambe, jojoba, olive, and babassu palm; and 18 minor vegetable oils and oilseeds. A detailed discussion of the future perspectives in applications of postharvest technology to oilseeds is appended. Literature references are provided at the end of each of the 15 text chapters. 264 p. : ill. ; 27 cm. Includes bibliographies and index. (NAL Call No.: DNAL SB298.S27).

# PLANT BREEDING

0151

**Analysis of leaf and soil samples from a planting of blueberry seedlings growing on an unmulched, upland soil.**

OARCB. Chandler, C.K. Korcak, R.F.; Draper, A.D. Wooster, Ohio : The Center. Research circular - Ohio Agricultural Research and Development Center. Aug 1984. (283). p. 69-71. ill. Includes 7 references. (NAL Call No.: DNAL 100 OH3R).

0152

**Asexual embryogenesis in callus cultures of palms (*Phoenix dactylifera*).**

Reynolds, J.F. Murashige, T. Rockville, Md., The Association. In vitro; journal of the Tissue Culture Association. Tissue Culture Association. May 1979. v. 15 (5). p. 383-387. ill. 12 ref. (NAL Call No.: OH585.A1I58).

0153

**Avocado research: a progress report.**

Bender, G. Fallbrook, Calif. : Rancher Publications. California grower. July 1988. 3b v. 12 (7). p. 21-22, 25. ill. (NAL Call No.: DNAL SB379.A9A9).

0154

**Benzaldehyde, a major aroma component of Saskatoon berries.**

HJHSA. Mazza, G. Hodgins, M.W. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug 1985. v. 20 (4). p. 742-744. ill. Includes 12 references. (NAL Call No.: DNAL SB1.H6).

0155

**Bud mortality and phloem injury of six blackberry cultivars subjected to low temperatures.**

FVRJA. Warmund, M.R. George, M.F.; Clark, J.R. University Park, Pa. : American Pomological Society. Fruit varieties journal. Oct 1986. v. 40 (4). p. 144-146. Includes references. (NAL Call No.: DNAL 80 F9464).

0156

**Cold damage to flower buds of rabbiteye blueberry cultivars.**

AKFRAC. Clark, J.R. Moore, J.N.; Baker, E.C. Fayetteville, Ark. : The Station. Arkansas farm research - Arkansas Agricultural Experiment Station. Nov/Dec 1986. v. 35 (6). p. 3. maps. (NAL Call No.: DNAL 100 AR42F).

0157

**Cold injury to flower buds and shoots of blueberry cultivars following extreme low fall temperatures.**

FVRJA. Fear, C.D. Lawson, V.F. University Park, Pa. : American Pomological Society. Fruit varieties journal. Oct 1987. v. 41 (4). p. 148-149. Includes references. (NAL Call No.: DNAL 80 F9464).

0158

**A comparison of carbon and water vapor gas exchange characteristics between a diploid and highbush blueberry.**

JOSHB. Moon, J.W. Jr. Flore, J.A.; Hancock, J.F. Jr. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Jan 1987. v. 112 (1). p. 134-138. Includes 28 references. (NAL Call No.: DNAL 81 S012).

0159

**The consequences of inbreeding on fertility in *Vaccinium corymbosum* L.**

JOSHB. Krebs, S.L. Hancock, J.F. Alexandria, Va. : The Society. Seed counts from self- and cross-pollinated highbush blueberry cultivars suggested that fertility in both mating systems is under similar genetic control. Viable seed set following selfing and outcrossing was inversely correlated with zygotic levels of inbreeding, and percentage of seed abortion in both crosses showed a positive association with zygotic F values. Among six genotypes, cross- and self-fertility were highly correlated. Fluorescent microscopy revealed no differences in the frequency of self and foreign pollen tube growth into ovules. Variation in self- and cross-fertility among these cultivars was attributed to differences in zygotic levels of homozygosity and cumulative expression of recessive mutations that promote seed abortion. Journal of the American Society for Horticultural Science. Nov 1988. v. 113 (6). p. 914-918. ill. Includes references. (NAL Call No.: DNAL 81 S012).

0160

**Cryogenic storage of olive pollen (*Olea europaea*, cultivars, method for long-term storage of plant germplasm).**

Parfitt, D.E. Almeadi, A.A. University Park : American Pomological Society. Fruit varieties journal. Jan 1984. v. 38 (1). p. 14-16. Includes references. (NAL Call No.: 80 F9464).

(PLANT BREEDING)

0161

**Cultivar identification of Japanese persimmon by leaf isozymes.**  
HJHSA. Tao, R. Sugiura, A. Alexandria, Va. : American Society for Horticultural Science. HortScience. Oct 1987. v. 22 (5). p. 932-935. ill. Includes references. (NAL Call No.: DNAL SB1.H6).

0162

**Effect of genetic relationship to pollinizer on fruit, seed, and seedling parameters in highbush and rabbiteye blueberries (Vaccinium corymbosum).**  
Hellman, E.W. JOSHB. Moore, J.N. Alexandria : The Society. Journal of the American Society for Horticultural Science. May 1983. v. 108 (3). p. 401-405. Includes references. (NAL Call No.: 81 S012).

0163

**Effect of mating system on time of ripening and fruit weight in blueberry (Vaccinium ashei).**  
El-Agamy, S.Z.A. Lyrene, P.M.; Sherman, W.B. s.l., The Society. Proceedings of the ... annual meeting of the Florida State Horticultural Society. June 1, 1980. v. 92. p. 258-259. 14 ref. (NAL Call No.: 81 F66).

0164

**Effect of pollen source on fruit characteristics of low-chilling highbush type blueberries (Plant breeding, fruit set and seed number).**  
Gupton, C.L. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug 1984. v. 19 (4). p. 531-532. Includes 11 references. (NAL Call No.: SB1.H6).

0165

**Effects of year and genotype on flowering and ripening dates in rabbiteye blueberry.**  
HJHSA. Lyrene, P.M. Alexandria, Va. : American Society for Horticultural Science. HortScience. June 1985. v. 20 (3, section I). p. 407-409. Includes references. (NAL Call No.: DNAL SB1.H6).

0166

**Ficus plant.**  
Soowal, J. Washington, D.C. : The Office. United States Patent. Plant - United States Patent and Trademark Office. Apr 22, 1986. (5,727). 2 p. plates. (NAL Call No.: DNAL 156.65 P69).

0167

**Flowering and fruiting characteristics of Vaccinium ashei and Vaccinium ashei-Vaccinium constablaei derivative blueberry progenies.**  
JOSHB. Ballington, J.R. Isenberg, Y.M.; Draper, A.D. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Nov 1986. v. 111 (6). p. 950-955. Includes references. (NAL Call No.: DNAL 81 S012).

0168

**Fruit yield and solar injury comparison of two primocane fruiting red raspberries.**  
FVRJA. Renquist, A.R. Hughes, H.G. University Park, Pa. : American Pomological Society. Fruit varieties journal. Oct 1987. v. 41 (4). p. 133-136. Includes references. (NAL Call No.: DNAL 80 F9464).

0169

**Genetic components of variance for winter injury, fall growth cessation, and off-season flowering in blueberry progenies.**  
JOSHB. Fear, C.D. Lauer, F.I.; Luby, J.J.; Stucker, R.L. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Mar 1985. v. 110 (2). p. 262-266. Includes 20 references. (NAL Call No.: DNAL 81 S012).

0170

**Genetic selection during the abscission of avocado fruitlets.**  
HJHSA. Degani, C. Goldring, A.; Gazit, S.; Lavi, U. Alexandria, Va. : American Society for Horticultural Science. HortScience. Oct 1986. v. 21 (5). p. 1187-1188. Includes references. (NAL Call No.: DNAL SB1.H6).

0171

**Genotypic differences in the effect of temperature on CO<sub>2</sub> assimilation and water use efficiency in blueberry.**  
JOSHB. Moon, J.W. Jr. Hancock, J.F. Jr.; Draper, A.D.; Flore, J.A. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Jan 1987. v. 112 (1). p. 170-173. Includes 16 references. (NAL Call No.: DNAL 81 S012).

0172

**Growing blackberries in Michigan.**  
MUCBA. Hanson, E.J. Kesner, C.D. East Lansing, Mich. : The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. June 1987. (2030). 6 p. ill. (NAL Call No.: DNAL 275.29 M58B).

(PLANT BREEDING)

0173

**Growing blueberries in Missouri.**

Fuqua, B. Odneal, M.; Andersen, P.; Schroeder, M.; Ashley, G. Mountain Grove, Mo. : The Station. Bulletin - State Fruit Experiment Station of Southwest Missouri State University, Mountain Grove. Feb 1987. (42). 26 p. ill. (NAL Call No.: DNAL 100 M694).

ill. Includes references. (NAL Call No.: 450 P692).

0174

**In vitro colchicine treatment of 4x blueberries, *Vaccinium* sp. (Polyploid induction, genotype effect).**

Goldy, R.G. Lyrene, P.M. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. May 1984. v. 109 (3). p. 336-338. ill. Includes references. (NAL Call No.: 81 S012).

0179

**Interspecific differences in the percentage of anthocyanins, aglycones, and aglycone-sugars in the fruit of seven species of blueberries.**  
JOSHB. Ballington, J.R. Ballinger, W.E.; Maness, E.P. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Sept 1987. v. 112 (5). p. 859-864. Includes references. (NAL Call No.: DNAL 81 S012).

0175

**In vitro germination and growth of *Rubus* seeds and embryos.**

HJHSA. Ke, S. Skirvin, R.M.; McPheeters, K.D.; Otterbacher, A.G.; Galletta, G. Alexandria, Va. : American Society for Horticultural Science. HortScience. Paper presented at the "Symposium on Water Stress Measurement Techniques--Instrumentation and Procedures," August 7, 1984, Vancouver, B.C., Canada. Dec 1985. v. 20 (6). p. 1047-1049. Includes references. (NAL Call No.: DNAL SB1.H6).

0180

**Lifetime biomass partitioning and yield component relationships in the highbrush blueberry, *Vaccinium corymbosum* L. (Ericaceae).**  
AJBOA. Pritts, M.P. Hancock, J.F. Baltimore, Md. : Botanical Society of America. American journal of botany. Mar 1985. v. 72 (3). p. 446-452. Includes references. (NAL Call No.: DNAL 450 AM36).

0176

**In vitro ovule culture of a seedless persimmon.**  
JOHEA. Weigel, R.C. Hughes, K.W. Washington, D.C. : American Genetic Association. The Journal of heredity. May/June 1986. v. 77 (3). p. 213. ill. Includes 3 references. (NAL Call No.: DNAL 442.8 AM3).

0181

**Long-term storage of raspberry pollen (Viability, germination, crosses).**  
Otterbacher, A.G. FVRJA. Hellman, E.W.; Skivin, R.M. University Park : American Pomological Society. Fruit varieties journal. July 1983. v. 37 (3). p. 80-81. Includes references. (NAL Call No.: 80 F9464).

0177

**Infestation of carambolas by laboratory-reared Caribbean fruit flies (Diptera: Tephritidae): effects of fruit ripeness and cultivar.**  
JEENAI. Howard, D.F. Kenney, P. College Park, Md. : Entomological Society of America. Journal of economic entomology. Apr 1987. v. 80 (2). p. 407-410. Includes references. (NAL Call No.: DNAL 421 J822).

0182

**Methods of screening blueberry seedling populations for drought resistance.**

HJHSA. Erb, W.A. Draper, A.D.; Swartz, H.J. Alexandria, Va. : American Society for Horticultural Science. HortScience. Apr 1988. v. 23 (2). p. 312-314. Includes references. (NAL Call No.: DNAL SB1.H6).

0178

**Interrelationship of gene expression, polysome prevalence, and respiration during ripening of ethylene and/or cyanide-treated avocado fruit (*Persea americana*).**

Tucker, M.L. Laties, G.G. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. Feb 1984. v. 74 (2). p. 307-315.

0183

**Minn vitro uses tissue culture to sprout blueberries and virus-free plants.**  
Sirkin, A. Sirkin, B. New York, N.Y. : Mary Ann Liebert. Genetic engineering news. Nov/Dec 1986. v. 6 (10). p. 11, 50. ill. (NAL Call No.: DNAL QH442.G456).

(PLANT BREEDING)

0184

**Partial loss of self-incompatibility in 'Golden Star' carambola (Averrhoa carambola, pollination).**

Knight, R.J. Jr. Alexandria, Va. : American Society for Horticultural Science. HortScience. Feb 1982. v. 17 (1). p. 72. Includes 9 ref. (NAL Call No.: SB1.H6).

0185

**Photosynthesis of olive leaves: effect of light flux density, leaf age, temperature, peltates, and H<sub>2</sub>O vapor pressure deficit on gas exchange.**  
JOSHB. Bongi, G. Mencuccini, M.; Fontanazza, G. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Jan 1987. v. 112 (1). p. 143-148. ill. Includes 22 references. (NAL Call No.: DNAL 81 S012).

0186

**Pollen germination in interspecific Vaccinium hybrids.**

Goldy, R.G. HUHSA. Lyrene, P.M. Alexandria : American Society for Horticultural Science. HortScience. Feb 1983. v. 18 (1). p. 54-55. Includes references. (NAL Call No.: SB1.H6).

0187

**Pollen viability in five Southeastern United States diploid species of Vaccinium.**  
JOSHB. Megalos, B.S. Ballington, J.R. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Nov 1987. v. 112 (6). p. 1009-1012. ill. Includes references. (NAL Call No.: DNAL 81 S012).

0188

**Raspberries in the home garden.**

Goulart, B.L. Pavlis, G.C. New Brunswick, N.J. : The Service. FS - Cooperative Extension Service, Cook College. 1987. (214). 5 p. ill. (NAL Call No.: DNAL S544.3.N5F7).

0189

**Root rot: new research developments.**

Coffey, M. Vista, Calif. : Rancher Publications. California grower. Feb 1987. v. 11 (2). p. 32-33. (NAL Call No.: DNAL SB379.A9A9).

0190

**Seasonal variation in elemental concentration of blackberry leaves.**

HUHSA. Clark, J.R. Buckley, J.B. III; Hellman, E.W. Alexandria, Va. : American Society for Horticultural Science. HortScience. Dec 1988. v. 23 (6). p. 1080. Includes references. (NAL Call No.: DNAL SB1.H6).

0191

**Spring frost injury relative to phenophase bud development in Saskatoon berry.**

HUHSA. Friesen, L.J. Stushnoff, C. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug 1985. v. 20 (4). p. 744-746. ill. Includes 11 references. (NAL Call No.: DNAL SB1.H6).

0192

**Status of virus-tested Rubus cultivars in the USDA research collection.**

FVRJA. Converse, R.H. University Park, Pa. : American Pomological Society. Fruit varieties journal. Jan 1988. v. 42 (1). p. 14-19. Includes references. (NAL Call No.: DNAL 80 F9464).

0193

**'Swan Hill' as an ornamental olive cultivar.**  
CAGRA. Fernandez-Escobar, R. Martin, G.C. Berkeley, Calif. : The Station. California agriculture - California Agricultural Experiment Station. Nov/Dec 1986. v. 40 (11/12). p. 18. ill. (NAL Call No.: DNAL 100 C12CAG).

0194

**Tayberry (Hybrid Rubus variety "tayberry", fruit is medium firm, slightly glossy and highly flavored, susceptible to crown gall Agrobacterium radiobacter tumefaciens, fruit stores well when deep frozen).**

Jennings, D.L. Washington, D.C., The Office. United States patent. Plant - United States Patent and Trademark Office. 2 p. plates. (NAL Call No.: 156.65 P69).

0195

**Tolerance to terbacil in rabbiteye blueberry.**  
HUHSA. Gupton, C.L. Alexandria, Va. : American Society for Horticultural Science. HortScience. Apr 1986. v. 21 (2). p. 283-285. ill. Includes references. (NAL Call No.: DNAL SB1.H6).

0196

**Variation among highbush blueberry cultivars in susceptibility to spring frost.**

JOSHB. Hancock, J.F. Nelson, J.W.;  
Bittenbender, H.C.; Callow, P.W.; Cameron,  
J.S.; Krebs, S.L.; Pritts, M.P.; Schumann, C.M.  
Alexandria, Va. : The Society. Journal of the  
American Society for Horticultural Science.  
July 1987. v. 112 (4). p. 702-706. Includes  
references. (NAL Call No.: DNAL 81 S012).

# PLANT ECOLOGY

0197

**Accumulation of lipophilic chemicals in plant cuticles: prediction from octanol/water partition coefficients.**

AECTCV. Kerler, F. Schonherr, J. New York, N.Y. : Springer-Verlag. Archives of environmental contamination and toxicology. Jan 1988. v. 17 (1). p. 1-6. Includes references. (NAL Call No.: DNAL TD172.A7).

0198

**Coming winter will stress avocado trees.**

Palmer, T.Y. Vista, Calif., Rancher Publications. Avocado grower. July 1980. v. 4 (7). p. 40-41. map. (NAL Call No.: SB379.A9A9).

0199

**Covalent binding of chemicals to plant cuticles: quantitative determination of epoxide contents of cutins.**

AECTCV. Riederer, M. Schonherr, J. New York, N.Y. : Springer-Verlag. Archives of environmental contamination and toxicology. Jan 1988. v. 17 (1). p. 21-25. Includes references. (NAL Call No.: DNAL TD172.A7).

0200

**Desorption of chemicals from plant cuticles: evidence for asymmetry.**

AECTCV. Schonherr, J. Riederer, M. New York, N.Y. : Springer-Verlag. Archives of environmental contamination and toxicology. Jan 1988. v. 17 (1). p. 13-19. ill. Includes references. (NAL Call No.: DNAL TD172.A7).

0201

**Differences in vegetative and reproductive growth among Ontario, Nova Scotia and Newfoundland populations of *Vaccinium angustifolium* Aiton.**

AMNAA. Kloet, S.P.V. Notre Dame, Ind. : University of Notre Dame. American midland naturalist. Apr 1985. v. 113 (2). p. 397-400. Includes references. (NAL Call No.: DNAL 410 M58).

0202

**Energetics, patterns and timing of seed dispersal in *Vaccinium* Section *Cyanococcus*.**

AMNAA. Kloet, S.P. vander Austin-Smith, P.J. Notre Dame, Ind. : University of Notre Dame. American midland naturalist. Apr 1986. v. 115 (2). p. 386-396. maps. Includes references. (NAL Call No.: DNAL 410 M58).

0203

**Flowering response of 'Heritage' red raspberry to temperature and nitrogen.**

Lockshin, L.S. Elfving, D.C. Alexandria, Va. American Society for Horticultural Science. HortScience. Aug 1981. v. 16 (4). p. 527-528. 15 ref. (NAL Call No.: SB1.H6).

0204

**Joint effects of competitors and herbivores on growth and reproduction in *Aristolochia reticulata*.**

ECOLA. Fowler, N.L. Rausher, M.D. Tempe, Ariz. : Ecological Society of America. Ecology : a publication of the Ecological Society of America. Oct 1985. v. 66 (5). p. 1580-1587. Includes references. (NAL Call No.: DNAL 410 EC7).

0205

**Some environmental effects on photosynthesis and water relations of avocado leaves.**

Scholefield, P.B. Walcott, J.J.; Kriedemann, P.E.; Ramadasan, A. Saticoy, Calif., The Society. Yearbook - California Avocado Society. 1980. v. 64. p. 93-94, 96-105. ill. 21 ref. (NAL Call No.: 81 C128).

# PLANT STRUCTURE

0206

**Anatomical and histochemical aspects of ethephon-induced leaf abscission in olive (*Olea europaea* L.).**  
Polito, V.S. Lavee, S. Chicago, University of Chicago Press. *Botanical gazette*. Dec 1980. v. 141 (4). p. 413-417. ill. 17 ref. (NAL Call No.: 450 B652).

0207

**Anatomical and morphological development of "Manzanillo" olive seed in relation to germination (*Olea europaea*).**  
Lagarda, A. JOSHB. Martin, G.C.; Polito, V.S. Alexandria : The Society. *Journal of the American Society for Horticultural Science*. Sept 1983. v. 108 (5). p. 741-743. ill. Includes references. (NAL Call No.: 81 S012).

0208

**The behavior and morphology of the fig wasps *Pegoscapus assuetus* and *P. Jimenezi*: descriptions and suggested behavioral characters for phylogenetic studies.**  
PYCHA, Frank, S.A. Cambridge, Mass. : Cambridge Entomological Club. *Psyche*. 1984. v. 91 (3/4). p. 289-308. ill. Includes references. (NAL Call No.: DNAL 421 P95).

0209

**Date.**  
Reuveni, O. Boca Raton, Fla. : CRC Press, 1986. *CRC handbook of fruit set and development* / edited by Shaul P. Monselise. Literature review. p. 119-144. ill. Includes references. (NAL Call No.: DNAL SB357.28.C73).

0210

**Developmental anatomy of the avocado stigma papilla cells and their secretion (*Persea americana*).**  
Sedgley, M. Blesing, M.A. Chicago : University of Chicago Press. *Botanical gazette*. June 1983. v. 144 (2). p. 185-190. ill. Includes references. (NAL Call No.: 450 B652).

0211

**Effects of cryogenic treatment on plantlet production from frozen and unfrozen date palm callus (*Phoenix dactylifera*).**  
Ulrich, J.M. Finkle, B.J.; Tisserat, B.H. Rockville, Md., American Society of Plant Physiologists. *Plant physiology*. Mar 1982. v. 69 (3). p. 624-627. ill. Includes 31 ref. (NAL Call No.: 450 P692).

0212

**Effects of light level upon leaf area, anatomy, and stomatal frequency of *Ficus benjamina* L.**  
DARCB. Peterson, J.C. Durkin, D.J.; Sacalis, J.N. Wooster, Ohio : The Center. *Research circular - Ohio Agricultural Research and Development Center*. Jan 1986. (289). p. 21-26. ill. Includes references. (NAL Call No.: DNAL 100 OH3R).

0213

**Hydathode anatomy and adaxial water loss in micropropagated 'Silvan' blackberry.**  
JOSHB. Donnelly, D.J. Skelton, F.E.; Nelles, J.E. Alexandria, Va. : The Society. *Journal of the American Society for Horticultural Science*. May 1987. v. 112 (3). p. 566-569. ill. Includes references. (NAL Call No.: DNAL 81 S012).

0214

**Influence of light intensity and drought stress on *Ficus benjamina* L.**  
Johnson, C.R. Nell, T.A.; Rosenbaum, S.E.; Lauritis, J.A. Alexandria, Va., The Society. *Journal of the American Society for Horticultural Science*. Mar 1982. v. 107 (2). p. 252-255. ill. Includes 21 ref. (NAL Call No.: 81 S012).

0215

**Influence of tissue culture and leaf-bud propagation on the growth habit of 'Northblue' blueberry.**  
JOSHB. Grout, J.M. Read, P.E.; Wildung, D.K. Alexandria, Va. : The Society. *Journal of the American Society for Horticultural Science*. May 1986. v. 111 (3). p. 372-375. (NAL Call No.: DNAL 81 S012).

0216

**Persimmon.**  
Itoo, S. Boca Raton, Fla. : CRC Press, 1986. *CRC handbook of fruit set and development* / edited by Shaul P. Monselise. p. 355-370. ill. Includes references. (NAL Call No.: DNAL SB357.28.C73).

0217

**Prolonged flooding effects on anatomy of highbush blueberry.**  
HJHSA. Abbott, J.D. Gough, R.E. Alexandria, Va. : American Society for Horticultural Science. *HortScience*. Aug 1987. v. 22 (4). p. 622-625. ill. Includes references. (NAL Call No.: DNAL SB1.H6).

(PLANT STRUCTURE)

0218

**Significance of nutritive cell in insect galls.**  
PESWA. Shorthouse, J.D. Washington, D.C. : The Society. Proceedings of the Entomological Society of Washington. Paper presented at the "Symposium on Insect-Caused Galls," Dec. 11, 1985, Hollywood, Florida. Apr 1986. v. 88 (22). p. 368-375. ill. Includes references. (NAL Call No.: DNAL 420 W27).

0219

**Some root characteristics of avocado (Persea americana Mill.) seedlings of the West Indian and Guatemalan races.**  
CAVYA. Borys, M.W. Barrera-Guerra, J.L.; Luna-Lopez, J. Saticoy, Calif. : The Society. Yearbook - California Avocado Society. 1985. v. 69. p. 111-122. Includes references. (NAL Call No.: DNAL 81 C128).

0220

**Suppressed buds embedded in the bark across the bole and the occurrence of their circular vessels in *Ficus religiosa*.**  
AJBOA. Aloni, R. Wolf, A. Baltimore, Md. : Botanical Society of America. American journal of botany. Sept 1984. v. 71 (8). p. 1060-1066. ill. Includes references. (NAL Call No.: DNAL 450 AM36).

# PLANT NUTRITION

0221

**Absorption of potassium, sodium, calcium, and phosphorus by two date palm cultivars and the effect of gibberellin treatment (*Phoenix dactylifera*).**

Al-Whaibi, M.H. Al-Ackhal, I. New York, N.Y. : Marcel Dekker. *Journal of plant nutrition*. 1984. v. 7 (6). p. 991-1003. ill. Includes references. (NAL Call No.: QK867.J67).

0222

**Comparison of elemental content of leaves from highbush and rabbiteye blueberries.**

AKFRAC. Clark, J.R. Fayetteville, Ark. : The Station. Arkansas farm research - Arkansas Agricultural Experiment Station. May/June 1988. v. 37 (3). p. 12. (NAL Call No.: DNAL 100 AR42F).

0223

**Effect of an acidified iron-sulfur-rich mining residue (iron-sul) on soil and plant nutrient relationships in drip-irrigated raspberry and strawberry.**

Nelson, S.D. Jolley, V.D. New York, N.Y. : Marcel Dekker. *Journal of plant nutrition*. 1984. Presented at the "Second International Symposium on Iron Nutrition and Interactions in Plants," August 2-5, 1983, Utah State University, Logan. v. 7 (1/5). p. 251-257. Includes references. (NAL Call No.: QK867.J67).

0224

**Effect of container size and fertilization rate on quality of three species of foliage plants (*Ficus benjamina*, *Brassaia actinophylla*, *Philodendron selloum*).**

Broschat, T.K. S.I. The Society. *Proceedings of the ... annual meeting of the Florida State Horticultural Society*. 1981 (pub. 1982). v. 94. p. 113-114. Includes 4 ref. (NAL Call No.: 81 F66).

0225

**Effect of fertilization rates and sources on rabbiteye blueberry.**

JOSHB. Spiers, J.M. Alexandria, Va. : The Society. *Journal of the American Society for Horticultural Science*. July 1987. v. 112 (4). p. 600-603. Includes references. (NAL Call No.: DNAL 81 S012).

0226

**Effect of fertilizer applications, plant age, and rainfall on the yield and fruit size of rabbiteye blueberry clone T-110.**

JOSHB. Austin, M.E. Bondari, K. Alexandria, Va. : The Society. *Journal of the American Society for Horticultural Science*. Nov 1986. v. 111 (6). p. 840-844. Includes references. (NAL Call No.: DNAL 81 S012).

0227

**Effect of iron chelate on mineral content of highbush blueberry leaves.**

AKFRAC. Clark, J.R. Dombek, D.G.; Buckley, J.B. Fayetteville, Ark. : The Station. Arkansas farm research - Arkansas Agricultural Experiment Station. Mar/Apr 1987. v. 36 (2). p. 4. (NAL Call No.: DNAL 100 AR42F).

0228

**The effect of nitrogen and boron fertilizer applications on leaf levels, yield and fruit size of the red raspberry (Foliar diagnosis).**

Chaplin, M.H. Martin, L.W. New York, Marcel Dekker. *Communications in soil science and plant analysis*. 1980. v. 11 (6). p. 547-556. ill. 11 ref. (NAL Call No.: S590.C63).

0229

**The effect of nitrogen and boron soil applications on raspberry leaf N, B and Mn (Nitrogen, boron, manganese) concentrations and on selected soil analyses.**

Kowalenko, C.G. New York, Marcel Dekker. *Communications in soil science and plant analysis*. 1981. v. 12 (11). p. 1163-1179. ill. Includes 12 ref. (NAL Call No.: S590.C63).

0230

**Effect of several controlled-release fertilizers on the growth of four foliage plants.**

Sanderson, K.C. Waterhouse, L.G.; Martin, W.C.; Patterson, R.M.; Williams, J.C. Washington, D.C. : Horticultural Research Institute. *Journal of environmental horticulture*. Sept 1984. v. 2 (3). p. 77-81. Includes 6 references. (NAL Call No.: DNAL SB1.J66).

0231

**The effects of certain edaphic factors on highbush blueberry (*Vaccinium corymbosum* L.) growth.**

Reich, L. Korcak, R.F.; Thompson, A. Alexandria, Va., American Society for Horticultural Science. *HortScience*. June 1981. v. 16 (3). p. 436. (NAL Call No.: SB1.H6).

(PLANT NUTRITION)

0232

**The effects of increasing lime concentrations in the development of pigmy date palm seedlings in containers after 17 weeks.**

PRNCA. Doughty, S.C. O'Rourke, E.N.; Barrios, E.P. Jr.; Mowers, E.P. Lawrence : The International Palm Society. *Principes*. July 1987. v. 31 (3). p. 123-126. Includes references. (NAL Call No.: DNAL 80 P932).

Call No.: 100 DK4M).

0233

**Effects of magnesium and potassium soil applications on yields and leaf nutrient concentrations of red raspberries and on soil analyses (*Rubus idaeus*).**

Kowalenko, C.G. New York, Marcel Dekker. *Communications in soil science and plant analysis*. 1981. v. 12 (8). p. 795-809. ill. 15 ref. (NAL Call No.: S590.C63).

0238

**Influence of lime and sulfur soil additions on growth, yield, and leaf nutrient content of rabbiteye blueberry (*Vaccinium ashei*, plant nutrition, Missouri).**

Spiers, J.M. Alexandria, Va. : The Society. *Journal of the American Society for Horticultural Science*. July 1984. v. 109 (4). p. 559-562. ill. Includes 15 references. (NAL Call No.: 81 S012).

0234

**Effects of naphthaleneacetic acid on fruit size, quality, and ripening of 'Zahdi' datepalm (*Phoenix dactylifera*).**

Mohammed, S. Shabana, H.R. Alexandria, Va., American Society for Horticultural Science. *HortScience*. Dec 1980. v. 15 (6). p. 724-725. 8 ref. (NAL Call No.: SB1.H6).

0239

**Methods to assay absorption of foliar applied nutrients and removal of unabsorbed residue (*Ficus benjamina*, *Glycine max*, soybeans).**

Reed, D.W. JPNUDS. New York : Marcel Dekker. *Journal of plant nutrition*. 1983. v. 6 (8). p. 667-677. Includes references. (NAL Call No.: QK867.J67).

0240

**Nitrogen loss and plant responses of *Ficus benjamina* to different fertilizer sources applied preplant.**

HJHSA. Wiedenfeld, R.P. Alexandria, Va. : American Society for Horticultural Science. *HortScience*. Aug 1985. v. 20 (4). p. 720-722. Includes 10 references. (NAL Call No.: DNAL SB1.H6).

0235

**Effects of preharvest calcium sprays and postharvest holding on firmness and quality of machine-harvested blackberries.**

Morris, J.R. Cawthon, D.L.; Nelson, G.S.; Cooper, P.E. Alexandria, Va., American Society for Horticultural Science. *HortScience*. Feb 1980. v. 15 (1). p. 33-34. ill. 8 ref. (NAL Call No.: SB1.H6).

0241

**An observation of nutrient levels in old, unfertilized rabbiteye blueberry plants (*Vaccinium ashei*, soil-plant chemical analyses).**

Austin, M.E. Gaines, T.P. Alexandria, Va. : American Society for Horticultural Science. *HortScience*. June 1984. v. 19 (3, sec.1). p. 417-418. Includes references. (NAL Call No.: SB1.H6).

0236

**Effects of soil-applied elemental sulfur, aluminum sulfate, and sawdust on growth of rabbiteye blueberries.**

JOSHB. Peterson, D.V. Mullins, C.A.; Lietzke, D.A.; Deyton, D.E. Alexandria, Va. : The Society. *Journal of the American Society for Horticultural Science*. July 1987. v. 112 (4). p. 612-616. Includes references. (NAL Call No.: DNAL 81 S012).

0242

**Plant and soil effects of fertilizer application to highbush blueberries (*Vaccinium corymbosum*, L.) variety Wolcott / by Kian Djiang Kwik. -.**

Kwik, Kian Djiang. 1932-. 1971. Thesis (Ph.D.)--North Carolina State University at Raleigh, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. viii, 60 leaves ; 21 cm. Includes bibliographies. (NAL Call No.: DISS 71-24,339).

0237

**Effects of various rates of Osmocote on the growth of hardwood blueberry cuttings (Plant nutrition, fertilizers).**

Tate, B. Whitcomb, C.E. Stillwater, Okla. : The Station. Research report P - Agricultural Experiment Station, Oklahoma State University. Oct 1983. Oct 1983. (843). p. 24-25. ill. (NAL

(PLANT NUTRITION)

0243

**Response of blueberry species to excessive manganese.**

JOSHB. Korcak, R.F. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Mar 1988. v. 113 (2). p. 189-193. Includes references. (NAL Call No.: DNAL 81 S012).

0244

**Satisfying and altering edaphic requirements for acidophilic plants.**

JPNUDS. Korcak, R.F. New York, N.Y. : Marcel Dekker. Journal of plant nutrition. Paper presented at the "Tenth International Plant Nutrition Colloquium," August 4-9, 1986, Beltsville, Maryland. 1987. v. 10 (9116). p. 1071-1078. Includes references. (NAL Call No.: DNAL QK867.J67).

0245

**Seasonal patterns of nitrogen, phosphorus, potassium, calcium and magnesium in the leaves of the Massachusetts cranberry.**

CSOSA2. DeMoranville, C.J. Deubert, K.H. New York, N.Y. : Marcel Dekker. Communications in soil science and plant analysis. 1986. v. 17 (8). p. 869-884. Includes 21 references. (NAL Call No.: DNAL S590.C63).

0246

**The split block: a useful design for extension and research in lowbush blueberries.**

HJHSA. Hepler, P.R. Ismail, A.A. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug 1985. v. 20 (4). p. 735-737. Includes 13 references. (NAL Call No.: DNAL SB1.H6).

0247

**Urea retention and uptake by avocado and apple leaves.**

JPNUDS. Klein, I. Zilkah, S. New York, N.Y. : Marcel Dekker. Journal of plant nutrition. 1986. v. 9 (11). p. 1415-1425. Includes references. (NAL Call No.: DNAL QK867.J67).

# PLANT PHYSIOLOGY AND BIOCHEMISTRY

0248

**Abscisic acid content in developing elderberry seed (*Sambucus cerulea*).**

Clancy, J.A. Maguire, J.D. East Lansing, Association of Official Seed Analysts. *Journal of seed technology*. 1979. v. 4 (1). p. 34-42. ill. 20 ref. (NAL Call No.: SB113.2.J6).

0249

**Absorption of potassium, sodium, calcium, and phosphorus by two date palm cultivars and the effect of gibberellin treatment (*Phoenix dactylifera*).**

Al-Whaibi, M.H. Al-Ackhal, I. New York, N.Y. : Marcel Dekker. *Journal of plant nutrition*. 1984. v. 7 (6). p. 991-1003. ill. Includes references. (NAL Call No.: QK867.J67).

0250

**Acceleration of the reproductive cycle of the cultivated blackberry (*Rubus* sp., seed germination).**

Lundergan, C.A. Carlsbad, J.A. Alexandria : American Society for Horticultural Science. *HortScience*. Feb 1984. v. 19 (1). p. 102-103. ill. Includes references. (NAL Call No.: SB1.H6).

0251

**Acclimation and winterhardiness patterns in the eastern thornless blackberry.**

JOSHB. Kraut, J.L. Walsh, C.S.; Ashworth, E.N. Alexandria, Va. : The Society. *Journal of the American Society for Horticultural Science*. May 1986. v. 111 (3). p. 347-352. Includes references. (NAL Call No.: DNAL 81 S012).

0252

**Accumulation and transport of phenol, 2-nitrophenol, and 4-nitrophenol in plant cuticles.**

EESAD. Shafer, W.E. Schonherr, J. Orlando, Fla. : Academic Press. *Ecotoxicology and environmental safety*. Oct 1985. v. 10 (2). p. 239-252. Includes references. (NAL Call No.: DNAL QH545.A1E29).

0253

**Acylation of plant acyl carrier proteins by acyl-acyl carrier protein synthetase from *Escherichia coli* (Spinach, soybean, avocado, corn).**

Kuo, T.M. Ohlrogge, J.B. New York, N.Y. : Academic Press. *Archives of biochemistry and biophysics*. Apr 1984. v. 230 (1). p. 110-116. ill. Includes references. (NAL Call No.: 381 AR2).

0254

**Adaptability of blueberry species to various soil types. I. Growth and initial fruiting.**

JOSHB. Korcak, R.F. Alexandria, Va. : The Society. *Journal of the American Society for Horticultural Science*. Nov 1986. v. 111 (6). p. 816-821. ill. Includes references. (NAL Call No.: DNAL 81 S012).

0255

**Adventitious shoot and plantlet formation from cultured pomegranate leaf explants.**

HUHSA. Omura, M. Matsuta, N.; Moriguchi, T.; Kozaki, I. Alexandria, Va. : American Society for Horticultural Science. *HortScience*. Feb 1987. v. 22 (1). p. 133-134. ill. Includes references. (NAL Call No.: DNAL SB1.H6).

0256

**An agrometeorological model for assessing the effect of heat stress during the flowering and early fruit set on avocado yields.**

JOSHB. Lomas, J. Alexandria, Va. : The Society. *Journal of the American Society for Horticultural Science*. Jan 1988. v. 113 (1). p. 172-176. Includes references. (NAL Call No.: DNAL 81 S012).

0257

**Alkaloids from *Solanum hypoleucophyllum* (obtained from the juice of green berries).**

Usabillaga, A. Cincinnati : American Society of Pharmacognosy. *Journal of natural products*. Jan/Feb 1984. v. 47 (1). p. 52-54. ill. Includes references. (NAL Call No.: 442.8 L77).

0258

**Allelopathic effect of 'Early Black' cranberry.**

Devlin, R.M. Deubert, K.H. Longmont, Colo. : The Group. *Proceedings of the Plant Growth Regulator Working Group; annual meeting*. 1980. 1980. (7th). p. 71-75. 7 ref. (NAL Call No.: SB128.P5).

0259

**Alterations in abscisic acid content of *Ficus benjamina* leaves resulting from exposure to water stress and its relationship to leaf abscission.**

Peterson, J.C. Sacalis, J.N.; Durkin, D.J. Alexandria, Va. : The Society. *Journal of the American Society for Horticultural Science*. Nov 1980. v. 105 (6). p. 793-798. ill. 43 ref. (NAL Call No.: 81 S012).

(PLANT PHYSIOLOGY AND BIOCHEMISTRY)

0260

**Analysis of leaf and soil samples from a planting of blueberry seedlings growing on an unmulched, upland soil.**  
DARCB. Chandler, C.K. Korcak, R.F.; Draper, A.D. Wooster, Ohio : The Center. Research circular - Ohio Agricultural Research and Development Center. Aug 1984. (283). p. 69-71. ill. Includes 7 references. (NAL Call No.: DNAL 100 DH3R).

0261

**An analysis of several climatic temperature variables dealing with olive reproduction (*Olea europaea*, thermal relations, vernalization).**  
Denney, J.D. JOSHB. McEachern, G.R. Alexandria : The Society. Journal of the American Society for Horticultural Science. July 1983. v. 108 (4). p. 578-581. Includes references. (NAL Call No.: 81 S012).

0262

**Anatomical and histochemical aspects of ethephon-induced leaf abscission in olive (*Olea Europaea* L.).**  
Polito, V.S. Lavee, S. Chicago, University of Chicago Press. Botanical gazette. Dec 1980. v. 141 (4). p. 413-417. ill. 17 ref. (NAL Call No.: 450 B652).

0263 .

**Anatomical and morphological development of "Manzanillo" olive seed in relation to germination (*Olea europaea*).**  
Lagarda, A. JOSHB. Martin, G.C.; Polito, V.S. Alexandria : The Society. Journal of the American Society for Horticultural Science. Sept 1983. v. 108 (5). p. 741-743. ill. Includes references. (NAL Call No.: 81 S012).

0264

**Anthocyanin patterns in ripening thornless blackberries.**  
JOSHB. Sapers, G.M. Hicks, K.B.; Burgher, A.M.; Hargrave, D.L.; Sondey, S.M.; Bilyk, A. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Nov 1986. v. 111 (6). p. 945-950. Includes references. (NAL Call No.: DNAL 81 S012).

0265

**Anthocyanin variation in the genus Rubus.**  
Jennings, D.L. Carmichael, E. London, Academic Press. New phytologist. Mar 1980. v. 84 (3). p. 505-513. ill. 15 ref. (NAL Call No.: 450 N42).

0266

**Asexual embryogenesis in callus cultures of palms (*Phoenix dactylifera*).**  
Reynolds, J.F. Murashige, T. Rockville, Md., The Association. In vitro; journal of the Tissue Culture Association. Tissue Culture Association. May 1979. v. 15 (5). p. 383-387. ill. 12 ref. (NAL Call No.: QH585.A1158).

0267

**Avocado flowering.**  
Davenport, T.L. Westport, Conn. : Avi. Horticultural reviews. Literature review. 1986. v. 8. p. 257-289. ill. Includes references. (NAL Call No.: DNAL SB317.5.H6).

0268

**Avocado growth and development (Varieties, Florida).**  
Davenport, T.L. PFSHA. Lake Alfred : The Society. Proceedings of the ... annual meeting - Florida State Horticultural Society. 1982. v. 95. p. 92-96. ill. Includes references. (NAL Call No.: 81 F66).

0269

**Avocado mesocarp; browning potential, carotenoid content, polyphenol oxidase, catalase and peroxidase activities: comparison between six avocado cultivars.**  
Sharon-Raber, O. JFDSA. Kahn, V. Chicago : Institute of Food Technologists. Journal of food science. Nov/Dec 1983. v. 48 (6). p. 1874-1875. Includes references. (NAL Call No.: 389.8 F7322).

0270

**Avocado pectinmethyl esterase activity in relation to temperature, ethylene, and ripening.**

Awad, M. Young, R.E. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. Sept 1980. v. 105 (5). p. 638-641. ill. 17 ref. (NAL Call No.: 81 S012).

0271

**Avocado research: a progress report.**  
Bender, G. Fallbrook, Calif. : Rancher Publications. California grower. July 1988. 3b v. 12 (7). p. 21-22, 25. ill. (NAL Call No.: DNAL SB379.A9A9).

(PLANT PHYSIOLOGY AND BIOCHEMISTRY)

0272

**The behavior and morphology of the fig wasps *Pegoscapus assuetus* and *P. Jimenezi*: descriptions and suggested behavioral characters for phylogenetic studies.**  
PYCHA. Frank, S.A. Cambridge, Mass. : Cambridge Entomological Club. *Psyche*. 1984. v. 91 (3/4). p. 289-308. ill. Includes references. (NAL Call No.: DNAL 421 P95).

0273

**Benzaldehyde, a major aroma component of Saskatoon berries.**  
HJHSA. Mazza, G. Hodgins, M.W. Alexandria, Va. : American Society for Horticultural Science. *HortScience*. Aug 1985. v. 20 (4). p. 742-744. ill. Includes 12 references. (NAL Call No.: DNAL SB1.H6).

0274

**Biogenesis of blackcurrant (*Ribes nigrum*) aroma.**  
ACSMC. Marriott, R.J. Washington, D.C. : The Society. *ACS Symposium series - American Chemical Society*. 1986. (30). p. 184-192. Includes references. (NAL Call No.: DNAL QD1.A45).

0275

**Biosynthesis of dolichols and related compounds (*Ficus elasticus*, *Saccharomyces cerevisiae*, *Aspergillus niger*).**  
Hemming, F.W. New York, N.Y. : John Wiley & Sons. *Biosynthesis of isoprenoid compounds*. 1983. Literature review. v. 2. p. 305-355. ill. Includes references. (NAL Call No.: QP801.I76B5).

0276

**Biosynthesis of ethylene from methionine in aminoethoxyvinylglycine-resistant avocado tissue.**  
Baker, J.E. Anderson, J.D.; Adams, D.O.; Apelbaum, A.; Lieberman, M. Rockville, Md., American Society of Plant Physiologists. *Plant physiology*. Jan 1982. v. 69 (1). p. 93-97. 14 ref. (NAL Call No.: 450 P692).

0277

**Blueberry.**  
Eck, P. Boca Raton, Fla. : CRC Press, 1986. *CRC handbook of fruit set and development* / edited by Shaul P. Monselise. Literature review. p. 75-85. ill. Includes references. (NAL Call No.: DNAL SB357.28.C73).

0278

**Bud mortality and phloem injury of six blackberry cultivars subjected to low temperatures.**  
FVRJA. Warmund, M.R. George, M.F.; Clark, J.R. University Park, Pa. : American Pomological Society. *Fruit varieties journal*. Oct 1986. v. 40 (4). p. 144-146. Includes references. (NAL Call No.: DNAL 80 F9464).

0279

**Calcium chloride effect on glycerolipids metabolism in olive tree leaf.**  
Marzouk, B. Zarrouk, M.; Cherif, A.; Mazliak, P. New York : Plenum Press, c1987. *The metabolism structure, and function of plant lipids* / edited by Paul K. Stumpf, J. Brian Mudd, and W. David Nes. Paper presented at the "Seventh International Symposium on Plant Lipids," held July 27-August 1, 1986, University of California, Davis, California. p. 317-319. Includes references. (NAL Call No.: DNAL OK898.L56I55 1986).

0280

**The cell wall in ripening avocados.**  
Colinas-Leon, M.T. Young, R.E. Saticoy, Calif., The Society. *Yearbook - California Avocado Society*. 1981. v. 65. p. 113-117. Includes 15 ref. (NAL Call No.: 81 C128).

0281

**Changes in composition of Florida avocados in relation to maturity /by Arthur L. Stahl.**  
Stahl, Arthur L. Gainesville, Fla. : University of Florida Agricultural Experiment Station, 1933. Cover title. 61 p. : charts ; 23 cm. Bibliography: p. 61. (NAL Call No.: DNAL 100 F66S (1) no.259).

0282

**Characteristics of the methionine pathway of ethylene production in rhizobitoxine-resistant avocado tissue.**  
Baker, J.E. AR-BARC. Anderson, J.D.; Lieberman, M.; Apelbaum, A. Bethesda, Md., American Society of Plant Physiologists. *Plant physiology*. May 1979. v. 63 (5). p. 91. (NAL Call No.: 450 P692).

0283

**Characterization of gamma-linolenic acid in *Ribes* seed.**  
LPDSAP. Traitler, H. Winter, H.; Ingenbleek, Y. Champaign, Ill. : American Oil Chemists' Society. *Lipids*. Dec 1984. v. 19 (12). p. 923-928. Includes references. (NAL Call No.: DNAL QP751.L5).

(PLANT PHYSIOLOGY AND BIOCHEMISTRY)

0284

**Chemical composition of Saskatoon berries (Amelanchier alnifolia Nutt.) (Canada).**  
Mazza, G. JFDSC. Chicago : Institute of Food Technologists. Journal of food science. Sept/Oct 1982. v. 47 (5). p. 1730-1731. Includes references. (NAL Call No.: 389.8 F7322).

0285

**Chemical structure-activity relationships of the inhibition of sterol biosynthesis by N-substituted morpholines in higher plants.**  
PCBPB. Rahier, A. Schmitt, P.; Huss, B.; Benveniste, P.; Pommer, E.H. Duluth, Minn. : Academic Press. Pesticide biochemistry and physiology. Feb 1986. v. 25 (1). p. 112-124. Includes references. (NAL Call No.: DNAL SB951.P49).

0286

**Chilling hour requirement for flower bud expansion of two rabbiteye and one highbush blueberry shoots.**  
HJHSA. Austin, M.E. Bondari, K. Alexandria, Va. : American Society for Horticultural Science. HortScience. Dec 1987. v. 22 (6). p. 1247-1248. Includes references. (NAL Call No.: DNAL SB1.H6).

0287

**Chilling requirements of 3 Florida blueberry cultivars (Dormancy, model).**  
Shine, J. Jr. PFSHA. Buchanan, D.W. Lake Alfred : The Society. Proceedings of the ... annual meeting - Florida State Horticultural Society. 1982. v. 95. p. 85-87. Includes references. (NAL Call No.: 81 F66).

0288

**Chloroplasts and the biosynthesis and catabolism of abscisic acid.**  
JGRDI. Cowan, A.K. Railton, I.D. New York, N.Y. : Springer. Journal of plant growth regulation. 1986. v. 4 (4). p. 211-224. Includes references. (NAL Call No.: DNAL QK745.J6).

0289

**Cold acclimation and dormancy of Amelanchier alnifolia (Saskatoon-berry, Canada).**  
Kaurin, A. Stushnoff, C.; Junttila, O. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Mar 1984. v. 109 (2). p. 160-163. ill. Includes references. (NAL Call No.: 81 S012).

0290

**Cold damage to flower buds of rabbiteye blueberry cultivars.**  
AKFRAC. Clark, J.R. Moore, J.N.; Baker, E.C. Fayetteville, Ark. : The Station. Arkansas farm research - Arkansas Agricultural Experiment Station. Nov/Dec 1986. v. 35 (6). p. 3. maps. (NAL Call No.: DNAL 100 AR42F).

0291

**Comparative photosynthesis and transpiration in excised shoots of rabbiteye blueberry.**  
Teramura, A.H. Davies, F.S.; Buchanan, D.W. Alexandria, Va., American Society for Horticultural Science. HortScience. Dec 1979. v. 14 (6). p. 723-724. ill. 17 ref. (NAL Call No.: SB1.H6).

0292

**A comparison of carbon and water vapor gas exchange characteristics between a diploid and highbush blueberry.**  
JOSHB. Moon, J.W. Jr. Flore, J.A.; Hancock, J.F. Jr. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Jan 1987. v. 112 (1). p. 134-138. Includes 28 references. (NAL Call No.: DNAL 81 S012).

0293

**Comparison of elemental content of leaves from highbush and rabbiteye blueberries.**  
AKFRAC. Clark, J.R. Fayetteville, Ark. : The Station. Arkansas farm research - Arkansas Agricultural Experiment Station. May/June 1988. v. 37 (3). p. 12. (NAL Call No.: DNAL 100 AR42F).

0294

**Comparison of metabolic inhibitors, film-forming antitranspirants, and microjet irrigation for water use efficiency of rabbiteye blueberries /by Fouad M. Basiouny.**  
--.  
Basiouny, Fouad Mohamed, 1933-. Washington, D.C. : Office of Water Research, Bureau of Reclamation, U.S. Dept. of Interior, 1984. Cover title.~ "December, 1984."~ Grant no. 14-34-0001-0510.~ "PB85-204006.". vi, 62 leaves : ill. ; 28 cm. Bibliography: leaves 55-62. (NAL Call No.: DNAL QK710.2.B3).

(PLANT PHYSIOLOGY AND BIOCHEMISTRY)

0295

**Comparison of proanthocyanidins and related compounds in leaves and leaf-derived cell cultures of *Ginkgo biloba* L., *Pseudotsuga menziesii* Franco, and *Ribes sanguineum* Pursh.**  
PLPBA. Stafford, H.A. Kreitlow, K.S.; Lester, H.H. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. Dec 1986. v. 82 (4). p. 1132-1138. Includes references. (NAL Call No.: DNAL 450 P692).

DNAL SB1.H6).

0296

**Competition among berries on the cranberry upright.**  
JOSHB. Baumann, T.E. Eaton, G.W. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Nov 1986. v. 111 (6). p. 869-872. Includes references. (NAL Call No.: DNAL 81 S012).

0301

**Covalent binding of chlorophenoxyacetic acids to plant cuticles.**  
AECTCV. Riederer, M. Schonherr, J. New York, N.Y. : Springer-Verlag. Archives of environmental contamination and toxicology. Jan 1986. v. 15 (1). p. 97-105. ill. Includes references. (NAL Call No.: DNAL TD172.A7).

0297

**Complex interactions between mutualisms: ants tending homopterans protect fig seeds and pollinators.**  
ECOLA. Compton, S.G. Robertson, H.G. Tempe, Ariz. : Ecological Society of America. Ecology : a publication of the Ecological Society of America. Aug 1988. v. 69 (4). p. 1302-1305. Includes references. (NAL Call No.: DNAL 410 EC7).

0302

**Cranberry.**  
Eck, P. Boca Raton, Fla. : CRC Press, 1986. CRC handbook of fruit set and development / edited by Shaul P. Monselise. Literature review. p. 109-117. ill. Includes references. (NAL Call No.: DNAL SB357.28.C73).

0298

**Computer-controlled temperature chambers for plant-environment studies (Peach and blueberry chilling requirements, cold hardiness, soil temperature).**  
Gilreath, P.R. Rippetoe, L.W.; Buchanan, D.W. Alexandria, Va., American Society for Horticultural Science. HortScience. Feb 1982. v. 17 (1). p. 39. ill. Includes 2 ref. (NAL Call No.: SB1.H6).

0303

**Cranberry growth related to tissue phosphorus and nitrogen concentrations and soil test phosphorus / by Ted Greidanus.** -.  
Greidanus, Ted, 1940-. 1971. Thesis (Ph.D.)--University of Wisconsin, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. iv, 72 leaves ; 21 cm. Includes bibliographies. (NAL Call No.: DISS 71-25, 190).

0299

**Container size and potting medium affect growth rate of weeping fig and loquat.**  
McConnell, D.B. S.I. : The Society. Proceedings of the ... annual meeting of the Florida State Horticulture Society. Aug 1988. v. 100. p. 337-339. Includes references. (NAL Call No.: DNAL SB319.2.F6F56).

0304

**Cultivar identification of Japanese persimmon by leaf isozymes.**  
HJHSA. Tao, R. Sugiura, A. Alexandria, Va. : American Society for Horticultural Science. HortScience. Oct 1987. v. 22 (5). p. 932-935. ill. Includes references. (NAL Call No.: DNAL SB1.H6).

0300

**Contribution of endogenous nitrogen toward continuing growth in a cranberry vine.**  
HJHSA. Stieber, T. Peterson, L.A. Alexandria, Va. : American Society for Horticultural Science. HortScience. June 1987. v. 22 (3). p. 463-464. Includes references. (NAL Call No.:

0305

**Date.**  
Reuveni, O. Boca Raton, Fla. : CRC Press, 1986. CRC handbook of fruit set and development / edited by Shaul P. Monselise. Literature review. p. 119-144. ill. Includes references. (NAL Call No.: DNAL SB357.28.C73).

0306

**Daylength response of dwarf pomegranate (*Punica granatum*, flowering, photoperiod).**  
Janick, J. Alexandria, Va., American Society for Horticultural Science. HortScience. Aug 1982. v. 17 (4). p. 616. ill. 3 ref. (NAL Call No.: SB1.H6).

(PLANT PHYSIOLOGY AND BIOCHEMISTRY)

0307

**Developmental anatomy of the avocado stigma papilla cells and their secretion (Persea americana).**

Sedgley, M. Blesing, M.A. Chicago : University of Chicago Press. Botanical gazette. June 1983. v. 144 (2). p. 185-190. ill. Includes references. (NAL Call No.: 450 B652).

Science. Mar 1980. v. 105 (2). p. 170-173. ill. 17 ref. (NAL Call No.: 81 S012).

0308

**Differences in vegetative and reproductive growth among Ontario, Nova Scotia and Newfoundland populations of Vaccinium angustifolium Aiton.**

AMNAA. Kloet, S.P.V. Notre Dame, Ind. : University of Notre Dame. American midland naturalist. Apr 1985. v. 113 (2). p. 397-400. Includes references. (NAL Call No.: DNAL 410 M58).

0313

**Effect of light intensity and carbohydrate reserves on flowering in olive.**

JOSHB. Stutte, G.W. Martin, G.C. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Jan 1986. v. 111 (1). p. 27-31. Includes 18 references. (NAL Call No.: DNAL 81 S012).

0309

**The effect of a divided canopy trellis design on thornless blackberry (Primocane-floricane separation, light interception, fruit quality, Maryland).**

Swartz, H.J. Gray, S.E.; Douglass, L.W.; Durner, E.; Walsh, C.S.; Galletta, G.J. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug 1984. v. 19 (4). p. 533-535. Includes references. (NAL Call No.: SB1.H6).

0314

**The effect of nitrogen and boron soil applications on raspberry leaf N, B and Mn (Nitrogen, boron, manganese) concentrations and on selected soil analyses.**

Kowalenko, C.G. New York, Marcel Dekker. Communications in soil science and plant analysis. 1981. v. 12 (11). p. 1163-1179. ill. Includes 12 ref. (NAL Call No.: S590.C63).

0310

**Effect of fertilization rates and sources on rabbiteye blueberry.**

JOSHB. Spiers, J.M. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. July 1987. v. 112 (4). p. 600-603. Includes references. (NAL Call No.: DNAL 81 S012).

0315

**Effect of nitrogen status of dormant rooted lowbush blueberry cuttings on rhizome production.**

Smagula, J.M. Hepler, P.R. Mount Vernon, Va., The Society. Journal of the American Society for Horticultural Science. American Society for Horticultural Science. Mar 1980. v. 105 (2). p. 283-285. ill. 8 ref. (NAL Call No.: 81 S012).

0311

**Effect of fertilizer rate on growth of Ficus lyrata and susceptibility to Pseudomonas cichorii.**

HUHSA. Chase, A.R. Alexandria, Va. : American Society for Horticultural Science. HortScience. Feb 1988. v. 23 (1). p. 151-152. Includes references. (NAL Call No.: DNAL SB1.H6).

0316

**Effect of potting medium temperatures on release curves of slow-release fertilizers in the presence of Ficus benjamina.**

Conover, C.A. Poole, R.T. S.I. : The Society. Proceedings of the ... annual meeting of the Florida State Horticulture Society. Aug 1988. v. 100. p. 357-360. Includes references. (NAL Call No.: DNAL SB319.2.F6F56).

0312

**Effect of light and nitrogen and potassium levels on growth and light compensation point of Ficus benjamina L.**

Joiner, J.N. Johnson, C.R.; Krantz, J.K. Mount Vernon, Va., The Society. Journal of the American Society for Horticultural Science. American Society for Horticultural

0317

**Effect of progressive soil salinity on the leaf water potential and stomatal conductance in avocado (Persea americana Mill.).**

CAVYA. Salazar-Garcia, S. Larque-Saavedra, S. Saticoy, Calif. : The Society. Yearbook - California Avocado Society. 1985. v. 69. p. 101-104. Includes references. (NAL Call No.: DNAL 81 C128).

(PLANT PHYSIOLOGY AND BIOCHEMISTRY)

0318

**The effect of selected soil factors on growth and nutrient content of highbush blueberry (*Vaccinium corymbosum* L.) (Mycorrhiza, mineral nutrients, organic matter).**  
Reich, L.A. Korcak, R.F.; Thompson, A.H. Alexandria, The Society. Journal of the American Society for Horticultural Science. Sept 1982. v. 107 (5). p. 943-946. ill. 12 ref. (NAL Call No.: 81 S012).

0319

**Effect of several controlled-release fertilizers on the growth of four foliage plants.**  
Sanderson, K.C. Waterhouse, L.G.; Martin, W.C.; Patterson, R.M.; Williams, J.C. Washington, D.C. : Horticultural Research Institute. Journal of environmental horticulture. Sept 1984. v. 2 (3). p. 77-81. Includes 6 references. (NAL Call No.: DNAL SB1.J66).

0320

**Effect of the depth of dormancy and duration of the first phase of hardening on frost resistance of black currant (*Ribes nigrum*).**  
Tumanov, I.I. SOPPA. Kuzina, G.V.; Karnikova, L.D.; Kalinina, G.A. New York : Consultants Bureau. Soviet plant physiology. Nov/Dec 1982 (pub. 1983). Translated from: *Fiziologiya rastenii*, p. 1083-1094. (450 F58). v. 29 (6,pt.1). p. 827-836. ill. Includes references. (NAL Call No.: 450 F58AE).

0321

**The effect of the ericoid mycorrhizal fungus *Pezizella ericae* (Read) on the growth and nutrition of seedlings of blueberry (*Vaccinium corymbosum* L.) (Fertilizer, root infection).**  
Powell, C.L. JOSHB. Alexandria : The Society. Journal of the American Society for Horticultural Science. Nov 1982. v. 107 (6). p. 1012-1015. 13 ref. (NAL Call No.: 81 S012).

0322

**The effect of two mycorrhizal fungi (isolates of *Glomus fasciculatus*) upon growth and nutrition of avocado seedlings grown with six fertilizer treatments.**  
Menge, J.A. LaRue, J.; Labanauskas, C.K.; Johnson, E.L.V. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. American Society for Horticultural Science. May 1980. v. 105 (3). p. 400-404. ill. 22 ref. (NAL Call No.: 81 S012).

0323

**Effect of zeatin and 2iP on shoot proliferation of three highbush blueberry clones in vitro.**  
HJHSA. Chandler, C.K. Draper, A.D. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug 1986. v. 21 (4). p. 1065-1066. ill. Includes references. (NAL Call No.: DNAL SB1.H6).

0324

**The effects of certain edaphic factors on highbush blueberry (*Vaccinium corymbosum* L.) growth.**

Reich, L. Korcak, R.F.; Thompson, A. Alexandria, Va., American Society for Horticultural Science. HortScience. June 1981. v. 16 (3). p. 436. (NAL Call No.: SB1.H6).

0325

**The effects of chemical primocane suppression on growth, yield, and chemical composition of red raspberries.**

Crandall, P.C. Chamberlain, J.D.; Garth, J.K.L. Mount Vernon, Va., The Society. Journal of the American Society for Horticultural Science. American Society for Horticultural Science. Mar 1980. v. 105 (2). p. 194-196. ill. 10 ref. (NAL Call No.: 81 S012).

0326

**Effects of ethephon on olive ripening.**  
Rugini, E. Bongi, G.; Fontanazza, G. Alexandria, The Society. Journal of the American Society for Horticultural Science. Sept 1982. v. 107 (5). p. 835-838. ill. 16 ref. (NAL Call No.: 81 S012).

0327

**Effects of external ethylene on the production of endogenous ethylene in olive leaf tissue.**  
JOSHB. Goren, R. Nishijima, C.; Martin, G.C. Alexandria, Va. : The Society. Olive (*Olea europaea* L.) leaves are characterized by their ability to respond to exogenous ethylene by a 100- to 400-fold enhanced ethylene production irrespective of leaf age or time of year when sampled. The autoenhancement of ethylene production from intact or detached leaves is positively correlated with the concentration of external ethylene. A lag time of 72 to 120 hr occurred before the autoenhancement of ethylene production could be observed. An autoinhibition of ethylene production was usually observed during the first 24 to 40 hr. The effect was, however, much less pronounced. This autoinhibition of ethylene production apparently does not involve wound ethylene. Olive fruit normally produce only negligible amounts of ethylene, and the enhanced ethylene evolution, which was observed after the fruits were exposed to exogenous ethylene, was found

(PLANT PHYSIOLOGY AND BIOCHEMISTRY)

to be exogenous ethylene that was trapped by the fruit tissue during its exposure to ethylene. In leaves, however, autoenhancement of ethylene production evidently is a physiological response that may induce a senescing process in the leaves rather than abscission. *Journal of the American Society for Horticultural Science*. Sept 1988. v. 113 (5). p. 778-783. Includes references. (NAL Call No.: DNAL 81 S012).

0328

**Effects of flooding and Phytophthora root rot on photosynthetic characteristics of avocado.**  
Ploetz, R.C. Schaffer, B. S.1. : The Society. *Proceedings of the ... annual meeting of the Florida State Horticulture Society*. Aug 1988. v. 100. p. 290-294. Includes references. (NAL Call No.: DNAL SB319.2.F6F56).

0329

**Effects of fruit maturity, storage, presoaking, and seed cleaning on germination in three species of palms.**  
Broschat, T.K. Donselman, H. Washington, D.C. : *Horticultural Research Institute. Journal of environmental horticulture*. Mar 1987. v. 5 (1). p. 6-9. Includes references. (NAL Call No.: DNAL SB1.J66).

0330

**Effects of gibberellin on fruit of date palm: a review.**  
PRNCA. Mohammed, S. Lawrence : The International Palm Society. *Principes*. Jan 1985. v. 29 (1). p. 23-30. Includes references. (NAL Call No.: DNAL 80 P932).

0331

**The effects of glyphosate, auxin, and cytokinin combinations on in vitro development of cranberry node explants (Isopentenyladenine, indoleacetic acid, herbicide, growth regulators, *Vaccinium macrocarpon*).**  
Scorza, R. Welker, W.V.; Dunn, L.J. Alexandria : American Society for Horticultural Science. *HortScience*. Feb 1984. v. 19 (1). p. 66-68. ill. Includes references. (NAL Call No.: SB1.H6).

0332

**Effects of high temperature, fertilization, and irrigation on growth and leaf elemental contents of newly established rabbiteye blueberries.**  
Basiouny, F.M. Powell, A.A. S.1. : The Society. *Proceedings of the ... annual meeting of the Florida State Horticulture Society*. 1986. v. 98. p. 155-158. Includes references. (NAL Call No.: DNAL SB319.2.F6F56).

0333

**The effects of increasing lime concentrations in the development of pygmy date palm seedlings in containers after 17 weeks.**  
PRNCA. Doughty, S.C. O'Rourke, E.N.; Barrios, E.P. Jr.; Mowers, E.P. Lawrence : The International Palm Society. *Principes*. July 1987. v. 31 (3). p. 123-126. Includes references. (NAL Call No.: DNAL 80 P932).

0334

**Effects of irrigation frequency on growth, transpiration, and acclimatization of *Ficus benjamina* L. (fig).**  
Johnson, C.R. Ingram, D.L.; Barrett, J.E. Alexandria, Va. : American Society for Horticultural Science. *HortScience*. Feb 1981. v. 16 (1). p. 80-81. 3 ref. (NAL Call No.: SB1.H6).

0335

**Effects of K, Ca, and Mg levels and N sources on growth and leaf element content of 'Cheyenne' blackberry.**  
HJHSA. Spiers, J.M. Alexandria, Va. : American Society for Horticultural Science. *HortScience*. Aug 1987. v. 22 (4). p. 576-577. Includes references. (NAL Call No.: DNAL SB1.H6).

0336

**Effects of low temperature and respiratory inhibitors on calcium flux in plant mitochondria.**  
PLPFA. Ferguson, I.B. Reid, M.S.; Romani, R.U. Rockville, Md. : American Society of Plant Physiologists. *Plant physiology*. Apr 1985. v. 77 (4). p. 877-880. Includes 26 references. (NAL Call No.: DNAL 450 P692).

0337

**Effects of maturity, harvest date, and storage time on postharvest quality of red raspberry fruit.**  
JOSHB. Sjulin, T.M. Robbins, J. Alexandria, Va. : The Society. *Journal of the American Society for Horticultural Science*. May 1987. v. 112 (3). p. 481-487. Includes references. (NAL Call No.: DNAL 81 S012).

0338

**Effects of phenolic compounds on tobacco callus and blackberry shoot cultures.**  
JOSHB. Compton, M.E. Preece, J.E. Alexandria, Va. : The Society. *Journal of the American Society for Horticultural Science*. Jan 1988. v. 113 (1). p. 160-163. ill. Includes references. (NAL Call No.: DNAL 81 S012).

(PLANT PHYSIOLOGY AND BIOCHEMISTRY)

0339

**Effects of two mycorrhizal isolates on highbush blueberry at two soil pH levels (Vaccinium corymbosum).**

Reich, L.A. Korcak, R.F.; Thompson, A.H. Alexandria, Va., American Society for Horticultural Science. HortScience. Aug 1982. v. 17 (4). p. 642-644. ill. 15 ref. (NAL Call No.: SB1.H6).

0340

**Effects of wastewater from olive processing on seed germination and early plant growth of different vegetable species.**

JPFCD2. Perez, J.D. Esteban, E.; Gomez, M.; Gallardo-Lara, F. New York, N.Y. : Marcel Dekker. Journal of environmental science and health. Part B. Pesticides, food contaminants, and agricultural wastes. 1986. v. 21 (4). p. 349-357. Includes references. (NAL Call No.: DNAL TD172.J61).

0341

**Endogenous content of a leaf substance(s) associated with rooting ability of avocado cuttings.**

Raviv, M. Reuveni, O. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. May 1984. v. 109 (3). p. 284-287. ill. Includes references. (NAL Call No.: 81 S012).

0342

**Energetics, patterns and timing of seed dispersal in Vaccinium Section Cyanococcus.**

AMNAA. Kloet, S.P. vander. Austin-Smith, P.J. Notre Dame, Ind. : University of Notre Dame. American midland naturalist. Apr 1986. v. 115 (2). p. 386-396. maps. Includes references. (NAL Call No.: DNAL 410 M58).

0343

**Estimating fruit ripening date of rabbiteye blueberries.**

JOSHB. Gupton, C.L. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Nov 1984. v. 109 (6). p. 803-806. Includes 6 references. (NAL Call No.: DNAL 81 S012).

0344

**Ethylene and carbon dioxide in ripening fruit of Averrhoa carambola.**

Oslund, C.R. HJHSA. Davenport, T.L. Alexandria : American Society for Horticultural Science. HortScience. Apr 1983. v. 18 (2). p. 229-230. ill. Includes references. (NAL Call No.: SB1.H6).

0345

**Ethylene evolution following treatment with 1-aminocyclopropane-1-carboxylic acid and ethephon in an in vitro olive shoot system in relation to leaf abscission.**

Lavee, S. Martin, G.C. Rockville, Md., American Society of Plant Physiologists. Plant physiology. June 1981. v. 67 (6). p. 1204-1207. ill. 23 ref. (NAL Call No.: 450 P692).

0346

**Ethylene-induced defoliation in Ficus species and ethylene depletion by soil bacteria in peat-amended media and in vitro.**

JOSHB. Turner, M.A. Reed, D.W.; Morgan, D.L. Alexandria, Va. : The Society. Ficus benjamina L. and F. stricta Miguel. were exposed to various concentrations of ethylene gas and ethephon to determine their sensitivity to defoliation. F. stricta was more sensitive to ethephon, whereas F. benjamina was more sensitive to ethylene gas. Plants growing in medium exposed to ethylene gas depleted ethylene from the ambient atmosphere.

Double-autoclaving the peat : perlite growing medium prevented ethylene depletion, indicating soil microbes as the source of depletion.

Bacterial isolates from the medium depleted ethylene in vitro; fungal isolates did not deplete ethylene. The eight species of bacteria isolated into pure culture depleted 9% to 46% of the ethylene from the flask atmosphere over 5 days, with two Enterobacter spp. and one Pseudomonas sp. being the most effective depleters. Chemical name used: (2-chloroethyl)phosphonic acid (ethephon). Journal of the American Society for Horticultural Science. Sept 1988. v. 113 (5). p. 794-796. Includes references. (NAL Call No.: DNAL 81 S012).

0347

**Ethylene production in avocado flowers and fruit: its role in senescence and abscission.**

Davenport, T.L. PPGGD. Lake Alfred : The Society. Proceedings annual meeting - Plant Growth Regulator Society of America. 1983. 1983. (10th). p. 213-215. Includes references. (NAL Call No.: SB128.P5).

0348

**An evaluation of chilling models for estimating rest requirements of highbush blueberries (Vaccinium corymbosum L.).**

Norvell, D.J. Moore, J.N. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. Jan 1982. v. 107 (1). p. 54-56. Includes 12 ref. (NAL Call No.: 81 S012).

(PLANT PHYSIOLOGY AND BIOCHEMISTRY)

0349

**Exploitation of animal mobility.**

NATUAS. Moore, P.D. Neptune, N.J. : Macmillan Journals. Nature. Sept 26/Oct 2, 1985. v. 317 (6035). p. 288. ill. Includes references. (NAL Call No.: DNAL 472 N21).

0350

**Fig.**

Crane, J.C. Boca Raton, Fla. : CRC Press, 1986. CRC handbook of fruit set and development / edited by Shaul P. Monselise. Literature review. p. 153-165. ill. Includes references. (NAL Call No.: DNAL SB357.28.C73).

0351

**Figs and wasps. II. And now the wasps (Blastophaga psenes).**

Moran, R. San Diego, Calif., San Diego Society of Natural History. Environment Southwest. Spring 1982. Spring 1982. (497). p. 13-17. ill. (NAL Call No.: QH1.E5).

0352

**Flooding duration and seasonal effects on growth and development of young rabbiteye blueberry plants.**

JOSHB. Crane, J.H. Davies, F.S. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Mar 1988. v. 113 (2). p. 180-184. Includes references. (NAL Call No.: DNAL 81 S012).

0353

**Flower bud differentiation and development in the olive (*Olea europaea* L.) in relation to temperature, certain growth regulators and plant hormones / by Sayed Abd El-Samie Mohamed Badr. -**

Badr, Sayed Abd El-Samie Mohamed, 1940-. 1970. Thesis (Ph.D.)--University of California, Davis, 1970. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. v. 153 leaves ; 21 cm. Bibliography: leaves 142-153. (NAL Call No.: DISS 71-15,517).

0354

**Flower bud formation, flowering, and fruiting in highbush blueberry in response to chlormequat, ethephon, and daminozide (*Vaccinium corymbosum*, plant growth regulators).**

Robbins, J.A. Doughty, C.C. Alexandria : American Society for Horticultural Science. HortScience. Feb 1984. v. 19 (1). p. 100-102. Includes references. (NAL Call No.: SB1.H6).

0355

**Flower position, growth regulators, and fruit set of rabbiteye blueberries.**

JOSHB. Davies, F.S. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. May 1986. v. 111 (3). p. 338-341. Includes references. (NAL Call No.: DNAL 81 S012).

0356

**Flowering and fruiting characteristics of *Vaccinium ashei* and *Vaccinium ashei*-*Vaccinium constablaei* derivative blueberry progenies.**

JOSHB. Ballington, J.R. Isenberg, Y.M.; Draper, A.D. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Nov 1986. v. 111 (6). p. 950-955. Includes references. (NAL Call No.: DNAL 81 S012).

0357

**Flowering response of 'Heritage' red raspberry to temperature and nitrogen.**

Lockshin, L.S. Elfving, D.C. Alexandria, Va., American Society for Horticultural Science. HortScience. Aug 1981. v. 16 (4). p. 527-528. 15 ref. (NAL Call No.: SB1.H6).

0358

**Fooling Mother Nature.**

Kavanaugh, M. Pleasanton, Calif. : Sun-Diamond Growers of California. Sun-diamond grower. Summer 1987. v. 6 (2). p. 14-15, 30. ill. (NAL Call No.: DNAL SB401.A1D5).

0359

**Foraging ecology of the bee *Habropoda laboriosa* (Hymenoptera: Anthophoridae), an oligolege of blueberries (Ericaceae: *Vaccinium*) in the southeastern United States.**

AESAA. Cane, J.H. Payne, J.A. College Park, Md. : The Society. Annals of the Entomological Society of America. May 1988. v. 81 (3). p. 419-427. ill. Includes references. (NAL Call No.: DNAL 420 EN82).

0360

**Freezing tolerance in the genus *Ficus*.**

HJHSA. Hummel, R.L. Johnson, C.R. Alexandria, Va. : American Society for Horticultural Science. HortScience. Apr 1985. v. 20 (2). p. 287-289. ill. Includes 8 references. (NAL Call No.: DNAL SB1.H6).

(PLANT PHYSIOLOGY AND BIOCHEMISTRY)

0361

**Fruit development in rabbiteye blueberry cultivars.**

Spiers, J.M. Alexandria, Va., American Society for Horticultural Science. HortScience. Apr 1981. v. 16 (2). p. 175-176. ill. 7 ref. (NAL Call No.: SB1.H6).

0362

**Fruit maturity as related to ethylene in 'Delite' blueberry.**

E1-Agamy, S.Z.A.PFSHA. Aly, M.M.; Biggs, R.H. Lake Alfred : The Society. Proceedings of the ... annual meeting - Florida State Horticultural Society. 1982. v. 95. p. 245-246. ill. Includes references. (NAL Call No.: 81 F66).

0363

**Fruit ripening asynchrony is related to variable seed number in Amelanchier and Vaccinium.**

AJBOA. Gorchov, D.L. Baltimore, Md. : Botanical Society of America. American journal of botany. Dec 1985. v. 72 (12). p. 1939-1943. Includes references. (NAL Call No.: DNAL 450 AM36).

0364

**Fruit set and bee activity in four rabbiteye blueberry (*Vaccinium ashei*) cultivars (Cross pollination).**

Davies, F.S. Buchanan, D.W. s.l., The Society. Proceedings of the ... annual meeting of the Florida State Horticultural Society. June 1, 1980. v. 92. p. 246-247. 21 ref. (NAL Call No.: 81 F66).

0365

**Gas exchange and flooding stress of highbush and rabbiteye blueberries.**

JOSHB. Davis, F.S. Flore, J.A. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. July 1986. v. 111 (4). p. 565-571. Includes references. (NAL Call No.: DNAL 81 S012).

0366

**Gas exchange in the avocado leaves under water stress and recovery.**

Ramadasan, A. Saticoy, Calif., The Society. Yearbook - California Avocado Society. 1980. v. 64. p. 147-151. 12 ref. (NAL Call No.: 81 C128).

0367

**Genetic selection during the abscission of avocado fruitlets.**

HUHSA. Degani, C. Goldring, A.; Gazit, S.; Lavi, U. Alexandria, Va. : American Society for Horticultural Science. HortScience. Oct 1986. v. 21 (5). p. 1187-1188. Includes references. (NAL Call No.: DNAL SB1.H6).

0368

**Genotypic differences in the effect of temperature on CO<sub>2</sub> assimilation and water use efficiency in blueberry.**

JOSHB. Moon, J.W. Jr. Hancock, J.F. Jr.; Draper, A.D.; Flore, J.A. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Jan 1987. v. 112 (1). p. 170-173. Includes 16 references. (NAL Call No.: DNAL 81 S012).

0369

**Germination-induced changes in acyl lipids and free sterols of olive pollen.**

NEPHA. Rodriguez-Rosales, M.P. Donaire, J.P. New York, N.Y. : Cambridge University Press. The New phytologist. Apr 1988. v. 108 (4). p. 509-514. Includes references. (NAL Call No.: DNAL 450 N42).

0370

**Germination induction of pygmy date palm seed.**

PRNCA. Doughty, S.C. O'Rourke, E.N.; Barrios, E.P.; Mowers, R.P. Miami : Palm Society. Principes. Apr 1986. v. 30 (2). p. 85-87. Includes references. (NAL Call No.: DNAL 80 P932).

0371

**Germination of Texas persimmon seed (*Diospyros texana*).**

Everitt, J.H. Denver, Colo. : Society for Range Management. Journal of range management. Mar 1984. v. 37 (2). p. 189-192. Includes references. (NAL Call No.: 60.18 J82).

0372

**Growth and fruiting of 'Heritage' primocane fruiting red raspberry in response to daminozide and ethephon (*Rubus idaeus*, flower initiation, growth regulators).**

Braun, J.W. Garth, J.K.L. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Mar 1984. v. 109 (2). p. 207-209. Includes references. (NAL Call No.: 81 S012).

(PLANT PHYSIOLOGY AND BIOCHEMISTRY)

0373

**Growth and survival of the highbush blueberry in response to root zone flooding.**

JOSHB. Abbott, J.D. Gough, R.E. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. July 1987. v. 112 (4). p. 603-608. Includes references. (NAL Call No.: DNAL 81 S012).

references. (NAL Call No.: DNAL 81 S012).

0374

**Growth measurement as an indication of avocado maturity (*Persea americana*).**

Lee, S.K. JOSHB. Young, R.E. Alexandria : The Society. Journal of the American Society for Horticultural Science. May 1983. v. 108 (3). p. 395-397. ill. Includes references. (NAL Call No.: 81 S012).

0379

**Identification of allelochemical from the leaves of the American cranberry plant (*Vaccinium macrocarpon*).**

Hussain, M. PPGGD. Lutz, L.; Stout, S.; Orloski, E.; Templeton, A. Lake Alfred : The Society. Proceedings annual meeting - Plant Growth Regulator Society of America. 1983. 1983. (10th). p. 151-156. ill. Includes references. (NAL Call No.: SB128.P5).

0375

**Growth regulator effects on adventitious root formation in leaf bud cuttings of juvenile and mature *Ficus pumila*.**

Davies, F.T. Jr. Joiner, J.N. Mount Vernon, Va., The Society. Journal of the American Society for Horticultural Science. American Society for Horticultural Science. Jan 1980. v. 105 (1). p. 91-95. ill. 12 ref. (NAL Call No.: 81 S012).

0380

**Identification of germacrene D in walnut and fig leaf volatiles.**

JAFCAU. Butterly, R.G. Flath, R.A.; Mon, T.R.; Ling, L.C. Washington, D.C. : American Chemical Society. Journal of agricultural and food chemistry. Sept/Oct 1986. v. 34 (5). p. 820-822. Includes references. (NAL Call No.: DNAL 381 J8223).

0376

**Highbush blueberry nutrition.**

Clark, J.R. Fayetteville, Ark. : Arkansas State Horticultural Society. Proceedings of the ... annual meeting - Arkansas State Horticultural Society. Paper presented at the "106th Annual Meeting of the Arkansas State Horticultural Society," November 13 and 14, 1985, Fort Smith, Arkansas. 1985. (106). p. 156-159. (NAL Call No.: DNAL SB21.A7A7).

0381

**Identification of senescence factors from *Ficus superba* Miq. var. *japonica* Miq. leaves.**

PPGGD. Ueda, J. Kato, J. Lake Alfred, Fla. : The Society. Proceedings annual meeting - Plant Growth Regulator Society of America. 1987. (14th). p. 54-60. Includes references. (NAL Call No.: DNAL SB128.P5).

0377

**Hormonal studies of flowers and developing fruit of the highbush blueberry (*Vaccinium corymbosum* L.) / by Robert James McNeil. -.**  
McNeil, Robert James. Ann Arbor, Mich. University Microfilms 1978. Thesis--Rutgers University, 1975. Facsimile produced by microfilm-xerography. xii, 62 leaves.  
Bibliography: leaves 59-61. (NAL Call No.: DISS 75-17,459).

0382

**Impact of ten spray adjuvants on leaf gas exchange of pecan, blueberry, photinia, and azalea.**

HJHSA. Andersen, P.C. Mizell, R.F. III; Knox, G.W. Alexandria, Va. : American Society for Horticultural Science. HortScience. Apr 1988. v. 23 (2). p. 343-345. Includes references. (NAL Call No.: DNAL SB1.H6).

0378

**Hydathode anatomy and adaxial water loss in micropaginated 'Silvan' blackberry.**

JOSHB. Donnelly, D.J. Skelton, F.E.; Nelles, J.E. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. May 1987. v. 112 (3). p. 566-569. ill. Includes

0383

**Importance and evolution of phenolic compounds in olive during growth and maturation.**

JAFCAU. Amiot, M.U. Fleuriet, A.; Macheix, J.J. Washington, D.C. : American Chemical Society. Journal of agricultural and food chemistry. Sept/Oct 1986. v. 34 (5). p. 823-826. Includes references. (NAL Call No.: DNAL 381 J8223).

(PLANT PHYSIOLOGY AND BIOCHEMISTRY)

0384

**Importance of leaf retention to rooting of avocado cuttings.**

Reuveni, O. Raviv, M. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. Mar 1981. v. 106 (2). p. 127-130. ill. 19 ref. (NAL Call No.: 81 S012).

0385

**Improved methods for testing the viability of Russian olive seed.**

Belcher, E.W. Karrfalt, R.P. East Lansing, Association of Official Seed Analysts. Journal of seed technology. 1979. v. 4 (1). p. 57-64. ill. 5 ref. (NAL Call No.: SB113.2.J6).

0386

**In vitro germination and growth of Rubus seeds and embryos.**

HJHSA. Ke, S. Skirvin, R.M.; McPheeters, K.D.; Otterbacher, A.G.; Galletta, G. Alexandria, Va. : American Society for Horticultural Science. HortScience. Paper presented at the "Symposium on Water Stress Measurement Techniques--Instrumentation and Procedures," August 7, 1984, Vancouver, B.C., Canada. Dec 1985. v. 20 (6). p. 1047-1049. Includes references. (NAL Call No.: DNAL SB1.H6).

0387

**In vitro germination of avocado pollen.**

HJHSA. Sahar, N. Spiegel-Roy, P. Alexandria, Va. : American Society for Horticultural Science. HortScience. Dec 1984. v. 19 (6). p. 886-888. ill. Includes 16 references. (NAL Call No.: DNAL SB1.H6).

0388

**In vitro ovule culture of a seedless persimmon.**  
JOHEA. Weigel, R.C. Hughes, K.W. Washington, D.C. : American Genetic Association. The Journal of heredity. May/June 1986. v. 77 (3). p. 213. ill. Includes 3 references. (NAL Call No.: DNAL 442.8 AM3).

0389

**In vitro propagation of 'Dolce Agogia' olive (*Olea europaea*).**

Rugini, E. Fontanazza, G. Alexandria, Va., American Society for Horticultural Science. HortScience. Aug 1981. v. 16 (4). p. 492-493. ill. 9 ref. (NAL Call No.: SB1.H6).

0390

**In vitro propagation of fig through shoot tip culture (*Ficus carica* cultivars, mosaic virus-free plants).**

Muriithi, L.M. Rangan, T.S.; Waite, B.H. Alexandria, Va., American Society for Horticultural Science. HortScience. Feb 1982. v. 17 (1). p. 86-87. ill. Includes 6 ref. (NAL Call No.: SB1.H6).

0391

**In vitro propagation of thornless trailing blackberries.**

Skirvin, R.M. Chu, M.C.; Gomez, E. Alexandria, Va., American Society for Horticultural Science. HortScience. June 1981. v. 16 (3). p. 310-312. ill. 15 ref. (NAL Call No.: SB1.H6).

0392

**Influence of chilling hours on flower bud growth and rooting ability of blueberry budsticks.**

Austin, M.E. Bondari, K. Washington, D.C. : Horticultural Research Institute. Journal of environmental horticulture. June 1987. v. 5 (2). p. 62-65. Includes references. (NAL Call No.: DNAL SB1.J66).

0393

**Influence of cultivar on highbush blueberry foliar nutrient level.**

Dombek, D.G. Clark, J.R. Fayetteville, Ark. : Arkansas State Horticultural Society. Proceedings of the ... annual meeting - Arkansas State Horticultural Society. 1986. (107th). p. 103-107. (NAL Call No.: DNAL SB21.A7A7).

0394

**Influence of ethephon and light intensity on growth and acclimatization of *Ficus benjamina* (Foliage plants).**

Johnson, C.R. McConnell, D.B.; Joiner, J.N. Alexandria, Va., American Society for Horticultural Science. HortScience. Aug 1982. v. 17 (4). p. 614-615. ill. 9 ref. (NAL Call No.: SB1.H6).

0395

**Influence of light intensity and drought stress on *Ficus benjamina* L.**

Johnson, C.R. Nell, T.A.; Rosenbaum, S.E.; Lauritis, J.A. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. Mar 1982. v. 107 (2). p. 252-255. ill. Includes 21 ref. (NAL Call No.: 81 S012).

(PLANT PHYSIOLOGY AND BIOCHEMISTRY)

0396

Influence of lime and sulfur soil additions on growth, yield, and leaf nutrient content of rabbiteye blueberry (*Vaccinium ashei*, plant nutrition, Missouri).

Spiers, J.M. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. July 1984. v. 109 (4). p. 559-562. illl. Includes 15 references. (NAL Call No.: 81 S012).

0397

Influence of N, K, and Na (nitrogen, potassium, sodium) concentration on growth and leaf element content of "Tifblue" rabbiteye blueberry (Nutrition, *Vaccinium ashei*, fertilizer levels).

Spiers, J.M. HUHSA. Alexandria : American Society for Horticultural Science. HortScience. Apr 1983. v. 18 (2). p. 223-224. Includes references. (NAL Call No.: SB1.H6).

0398

The influence of salinity and rootstock on avocado seedling growth. Progress report. CAVYA. Oster, J.D. Brokaw, R.; Strohman, R.A.; Tracy, J.E. Saticoy, Calif. : The Society. Yearbook - California Avocado Society. 1985. v. 69. p. 105-110. Includes references. (NAL Call No.: DNAL 81 C128).

0399

Influence of stock plant propagation method on tissue culture and leaf-bud propagation of 'Northblue' blueberry.

JOSHB. Grout, J.M. Read, P.E. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. May 1986. v. 111 (3). p. 368-371. (NAL Call No.: DNAL 81 S012).

0400

Influence of surfactants on blossom cold hardiness and yield in highbush blueberry (*Vaccinium corymbosum* L.) (Cold injury susceptibility).

Robbins, J.A. Doughty, C.C. Ottawa, Agricultural Institute of Canada. Canadian journal of plant science. Jan 1980. v. 60 (1). p. 255-258. illl. 10 ref. (NAL Call No.: 450 C16).

0401

Influence of tissue culture and leaf-bud propagation on the growth habit of 'Northblue' blueberry.

JOSHB. Grout, J.M. Read, P.E.; Wildung, D.K. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. May

1986. v. 111 (3). p. 372-375. (NAL Call No.: DNAL 81 S012).

0402

An inhibitor of catalase induced by cold in chilling-sensitive plants.

PLPNA. Patterson, B.D. Payne, L.A.; Chen, Y.Z.; Graham, D. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. Dec 1984. v. 76 (4). p. 1014-1018. illl. Includes 27 references. (NAL Call No.: DNAL 450 P692).

0403

Interference of phenolic compounds with the 1-aminocyclopropane-1-carboxylic acid assay.

PLPNA. Sitrit, Y. Riov, J.; Blumenfeld, A. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. Jan 1988. v. 86 (1). p. 13-15. Includes references. (NAL Call No.: DNAL 450 P692).

0404

Interior performance of three foliage plant species treated with paclobutrazol.

AAREZ. Davis, T.D. New York : Springer. Applied agricultural research. 1987. v. 2 (2). p. 120-123. illl. Includes references. (NAL Call No.: DNAL S539.5.A77).

0405

Intermediates in the recycling of 5-methylthioribose to methionine in fruits (*Persea americana*, avocados, *Lycopersicon esculentum*, tomatoes).

Kushad, M.M. PLPNA. Richardson, D.G.; Ferro, A.J. Rockville : American Society of Plant Physiologists. Plant physiology. Oct 1983. v. 73 (2). p. 257-261. illl. Includes references. (NAL Call No.: 450 P692).

0406

Interrelationship of gene expression, polysome prevalence, and respiration during ripening of ethylene and/or cyanide-treated avocado fruit (*Persea americana*).

Tucker, M.L. Laties, G.G. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. Feb 1984. v. 74 (2). p. 307-315. illl. Includes references. (NAL Call No.: 450 P692).

(PLANT PHYSIOLOGY AND BIOCHEMISTRY)

0407

**Interrelationship of polyamine and ethylene biosynthesis during avocado fruit development and ripening.**

PLPHA. Kushad, M.M. Yelenosky, G.; Knight, R. Rockville, Md. : American Society of Plant Physiologists. *Plant physiology*. June 1988. v. 87 (2). p. 463-467. Includes references. (NAL Call No.: DNAL 450 P692).

0408

**Interspecific differences in the percentage of anthocyanins, aglycones, and aglycone-sugars in the fruit of seven species of blueberries.**

JOSHB. Ballington, J.R. Ballinger, W.E.; Maness, E.P. Alexandria, Va. : The Society. *Journal of the American Society for Horticultural Science*. Sept 1987. v. 112 (5). p. 859-864. Includes references. (NAL Call No.: DNAL 81 S012).

0409

**Intracane yield compensation in the red raspberry (Fruit yield, photosynthetic assimilate partitioning, Washington).**

Braun, J.W. Garth, J.K.L. Alexandria, Va. : The Society. *Journal of the American Society for Horticultural Science*. July 1984. v. 109 (4). p. 526-530. Includes 14 references. (NAL Call No.: 81 S012).

0410

**Invertase from date fruits (*Phoenix dactylifera*).**

Marouf, B.A. Zeki, L. Washington, American Chemical Society. *Journal of agricultural and food chemistry*. Sept/Oct 1982. v. 30 (5). p. 990-993. 1 p. ref. (NAL Call No.: 381 J8223).

0411

**Investigation of marion blackberry, strawberry, and plum fruit for the presence of saponins.**

Yoon, K.R. Wrolstad, R.E. Washington, D.C. : American Chemical Society. *Journal of agricultural and food chemistry*. May/June 1984. v. 32 (3). p. 691-693. Includes references. (NAL Call No.: 381 J8223).

0412

**Isolation and identification of a branched quercetin triglycoside from *Ribes rubrum* (Saxifragaceae).**

JAFCAU. Siewek, F. Galensa, R.; Herrmann, K. Washington, D.C. : American Chemical Society. *Journal of agricultural and food chemistry*. Nov/Dec 1984. v. 32 (6). p. 1291-1293. Includes references. (NAL Call No.: DNAL 381 J8223).

0413

**Isolation and identification of plant growth inhibitors from leaves of the American cranberry (*Vaccinium macrocarpon*).**

ACSMC. Wepplio, P. Washington, D.C. : The Society. *ACS Symposium series - American Chemical Society*. 1987. (330). p. 328-333. Includes references. (NAL Call No.: DNAL QD1.A45).

0414

**Isozyme analysis procedures for stone fruits, almond, grape, walnut, pistachio, and fig.**  
HJHSA. Arulsekhar, S. Parfitt, D.E. Alexandria, Va. : American Society for Horticultural Science. *HortScience*. Aug 1986. v. 21 (4). p. 928-933. 111. Includes references. (NAL Call No.: DNAL SB1.H6).

0415

**Joint effects of competitors and herbivores on growth and reproduction in *Aristolochia reticulata*.**

ECOLA. Fowler, N.L. Rausher, M.D. Tempe, Ariz : Ecological Society of America. *Ecology* : a publication of the Ecological Society of America. Oct 1985. v. 66 (5). p. 1580-1587. Includes references. (NAL Call No.: DNAL 410 EC7).

0416

**Late pruning, twig orientation, and flower bud formation in rabbiteye blueberry (*Vaccinium ashei*).**

Lyrene, P.M. Alexandria : American Society for Horticultural Science. *HortScience*. Feb 1984. v. 19 (1). p. 98-99. Includes references. (NAL Call No.: SB1.H6).

0417

**Leaf potassium content and yield in the highbush blueberry.**

HJHSA. Hancock, J.F. Nelson, J. Alexandria, Va. : American Society for Horticultural Science. *HortScience*. Oct 1988. v. 23 (5). p. 857-858. Includes references. (NAL Call No.: DNAL SB1.H6).

0418

**Lifetime biomass partitioning and yield component relationships in the highbrush blueberry, *Vaccinium corymbosum* L. (Ericaceae).**  
AJBOA. Pritts, M.P. Hancock, J.F. Baltimore, Md. : Botanical Society of America. *American journal of botany*. Mar 1985. v. 72 (3). p. 446-452. Includes references. (NAL Call No.: DNAL 450 AM36).

(PLANT PHYSIOLOGY AND BIOCHEMISTRY)

0419

**Light acclimatization potential of *Ficus benjamina* (Photosynthesis, respiration, weeping fig).**

Fails, B.S. Lewis, A.J.; Barden, J.A. Alexandria, The Society. Journal of the American Society for Horticultural Science. Sept 1982. v. 107 (5). p. 762-766. ill. 21 ref. (NAL Call No.: 81 S012).

DNAL S590.C63).

0425

**Malate oxidation and cyanide-insensitive respiration in avocado mitochondria during the climacteric cycle (*Persea americana*).**

Moreau, F. Romani, R. Rockville : American Society of Plant Physiologists. Plant physiology. Nov 1982. v. 70 (5). p. 1385-1390. 31 ref. (NAL Call No.: 450 P692).

0420

**Light and gibberellic acid enhancement of low bush blueberry seed germination.**

Smagula, J.M. Michaud, M.; Hepler, P.R. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. Nov 1980. v. 105 (6). p. 816-818. ill. 11 ref. (NAL Call No.: 81 S012).

0426

**Manage avocado tree growth.**

Whiley, W.W. Sarah, J.B.; Cull, B.W.; Pegg, K.G. Fallbrook, Calif. : Rancher Publications. California grower. June 1988. v. 12 (6). p. 5, 9-10, 12-14, 19-20. (NAL Call No.: DNAL SB379.A9A9).

0421

**Lipid changes in olive fruit under saline conditions.**

Marzouk, B. Zarrouk, M.; Cherif, A. Champaign, Ill. : American Oil Chemists' Society, 1986. Proceedings World Conference on Emerging Technologies in the Fats and Oils Industry, Cannes, France, November 3-8, 1985 / edited by A.R. Baldwin. p. 408-409. Includes references. (NAL Call No.: DNAL TP669.5.W67 1985).

0427

**The maturation and ripening of the 'Wonderful' pomegranate.**

JOSH. Ben-Arie, R. Segal, N.; Guelfat-Reich, S. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Nov 1984. v. 109 (6). p. 898-902. Includes 8 references. (NAL Call No.: DNAL 81 S012).

0422

**Lipid composition of plant cytoplasmic organelles with reference to the climacteric of the avocado fruit / by Harvey Allen Schwertner.**

-. Schwertner, Harvey Allen, 1941-. 1971. Thesis (Ph.D.)--University of California, Los Angeles, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. xii, 131 leaves ; 21 cm. Bibliography: leaves 118-131. (NAL Call No.: DISS 72-2,902).

0428

**Metabolism of 5-methylthioribose to methionine.**  
PLPFA. Miyazaki, J.H. Yang, S.F. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. June 1987. v. 84 (2). p. 277-281. Includes references. (NAL Call No.: DNAL 450 P692).

0423

**Long-term storage of raspberry pollen (Viability, germination, crosses).**

Otterbacher, A.G. FVRJA. Hellman, E.W.; Skivin, R.M. University Park : American Pomological Society. Fruit varieties journal. July 1983. v. 37 (3). p. 80-81. Includes references. (NAL Call No.: 80 F9464).

0429

**Methods of screening blueberry seedling populations for drought resistance.**

HJHSA. Erb, W.A. Draper, A.D.; Swartz, H.J. Alexandria, Va. : American Society for Horticultural Science. HortScience. Apr 1988. v. 23 (2). p. 312-314. Includes references. (NAL Call No.: DNAL SB1.H6).

0424

**A lysimeter study directed at nutrient uptake by the acid-tolerant lowbush blueberry.**

CSOSA2. Warman, P.R. New York, N.Y. : Marcel Dekker. Communications in soil science and plant analysis. May/Sept 1988. v. 19 (7/12). p. 1031-1040. Includes references. (NAL Call No.:

0430

**Minn vitro uses tissue culture to sprout blueberries and virus-free plants.**

Sirkin, A. Sirkin, B. New York, N.Y. : Mary Ann Liebert. Genetic engineering news. Nov/Dec 1986. v. 6 (10). p. 11, 50. ill. (NAL Call No.: DNAL QH442.G456).

(PLANT PHYSIOLOGY AND BIOCHEMISTRY)

0431

**Mode of leaf shedding from avocado cuttings and the effect of its delay on rooting (Leaf senescence, petiole abscission, auxin, cytokinin).**

Raviv, M. Reuveni, O. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug 1984. v. 19 (4). p. 529-531. ill. Includes 3 references. (NAL Call No.: SB1.H6).

0432

**Molecular biology of fruit ripening.**

PPGGD. Christoffersen, R.E. Bennett, A.B.; Dong, Y.Y.; Saltveit, M.E. Lake Alfred : The Society. Proceedings annual meeting - Plant Growth Regulator Society of America. 1985. (12th). p. 96-97. Includes references. (NAL Call No.: DNAL SB128.P5).

0433

**Multi-sprouts in avocado seeds (*Persea americana* Mill.).**

Salazar-Garcia, S. Borys, M.W. Saticoy, Calif. : The Society. Yearbook - California Avocado Society. 1983. v. 67. p. 73-81. ill. Includes references. (NAL Call No.: 81 C128).

0434

**Mutualism, antagonism, and the fig-pollinator interaction.**

ECOLA. Bronstein, J.L. Tempe, Ariz. : Ecological Society of America. Ecology : a publication of the Ecological Society of America. Aug 1988. v. 69 (4). p. 1298-1302. Includes references. (NAL Call No.: DNAL 410 EC7).

0435

**N (nitrogen)-demethylation of p (para)-chloro-N-methylaniline catalyzed by subcellular fractions from the avocado pear (*Persea americana*) (Pesticide oxidation).**

Dohn, D.R. Krieger, R.I. New York, N.Y. : Academic Press. Archives of biochemistry and biophysics. June 1984. v. 231 (2). p. 416-423. ill. Includes references. (NAL Call No.: 381 AR2).

0436

**Net photosynthesis and transpiration of sun- and shade-grown *Ficus benjamina* leaves (Acclimatization, weeping fig).**

Fails, B.S. Lewis, A.J.; Barden, J.A. Alexandria, The Society. Journal of the American Society for Horticultural Science. Sept 1982. v. 107 (5). p. 758-761. 21 ref. (NAL Call No.: 81 S012).

0437

**A nondestructive system for monitoring gas evolution from small-sized fruits in the field (Olive, *Olea europaea*, ethylene, carbon dioxide, glues, sealants).**

Lang, G.A. Martin, G.C. Alexandria, Va. : American Society for Horticultural Science. HortScience. Apr 1984. v. 19 (2). p. 240-242. ill. Includes references. (NAL Call No.: SB1.H6).

0438

**Observations on the overwintering of Oriental persimmons in Maryland.**

NONGA. Shanks, J.B. Hamden, Conn. : The Association. Annual report of the Northern Nut Growers Association. 1984. (75th). p. 21-27. ill. (NAL Call No.: DNAL 94.69 N81).

0439

**Olive.**

Lavee, S. Boca Raton, Fla. : CRC Press, 1986. CRC handbook of fruit set and development / edited by Shaul P. Monselise. Literature review. p. 261-276. ill. Includes references. (NAL Call No.: DNAL SB357.28.C73).

0440

**A one-step synthesis of ficine and isoficine (*Ficus pantoniiana*).**

Leete, E. LLOYA. Cincinnati : American Society of Pharmacognosy. Journal of natural products. Sept/Oct 1982. v. 45 (5). p. 605-607. ill. Includes references. (NAL Call No.: 442.8 L77).

0441

**Partial purification and characterization of arginine decarboxylase from avocado fruit, a thermostable enzyme.**

PLPFA. Winer, L. Vinkler, C.; Apelbaum, A. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. Sept 1984. v. 76 (1). p. 233-237. ill. Includes 22 references. (NAL Call No.: DNAL 450 P692).

0442

**Periodic and seasonal flooding effects on survival, growth, and stomatal conductance of young rabbiteye blueberry plants.**

JOSHB. Crane, J.H. Davies, F.S. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. July 1988. v. 113 (4). p. 488-493. Includes references. (NAL Call No.: DNAL 81 S012).

(PLANT PHYSIOLOGY AND BIOCHEMISTRY)

0443

**Persimmon.**

Itoc, S. Boca Raton, Fla. : CRC Press, 1986. CRC handbook of fruit set and development / edited by Shaul P. Monselise. p. 355-370. ill. Includes references. (NAL Call No.: DNAL SB357.28.C73).

0444

**Photosynthesis of olive leaves: effect of light flux density, leaf age, temperature, peltates, and H<sub>2</sub>O vapor pressure deficit on gas exchange.** JOSHB. Bongi, G. Mencuccini, M.; Fontanazza, G. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Jan 1987. v. 112 (1). p. 143-148. ill. Includes 22 references. (NAL Call No.: DNAL 81 S012).

0445

**Physiological gradient in avocado fruit.** CAVYA. Schroeder, C.A. Saticoy, Calif. : The Society. Yearbook - California Avocado Society. 1985. v. 69. p. 137-143. ill. Includes 16 references. (NAL Call No.: DNAL 81 C128).

0446

**Pigment content and gas exchange of red raspberry in vitro and ex vitro (Tissue culture, Rubus idaeus).** Donnelly, D.J. Vidaver, W.E. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Mar 1984. v. 109 (2). p. 177-181. Includes references. (NAL Call No.: 81 S012).

0447

**Plant-water relations of young highbush blueberry plants.** HJHSA. Byers, P.L. Moore, J.N.; Scott, H.D. Alexandria, Va. : American Society for Horticultural Science. HortScience. Oct 1988. v. 23 (5). p. 870-873. Includes references. (NAL Call No.: DNAL SB1.H6).

0448

**Pollen germination in interspecific Vaccinium hybrids.** Goldy, R.G. HJHSA. Lyrene, P.M. Alexandria : American Society for Horticultural Science. HortScience. Feb 1983. v. 18 (1). p. 54-55. Includes references. (NAL Call No.: SB1.H6).

0449

**Pollen viability in five Southeastern United States diploid species of Vaccinium.** JOSHB. Megalos, B.S. Ballington, J.R. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Nov 1987. v. 112 (6). p. 1009-1012. ill. Includes references. (NAL Call No.: DNAL 81 S012).

0450

**Pollen yield from olive tree cvs. Manzanillo and Swan Hill in closed urban environments.** JOSHB. O'Rourke, M.K. Buchmann, S.L. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Nov 1986. v. 111 (6). p. 980-984. ill. Includes references. (NAL Call No.: DNAL 81 S012).

0451

**Pollination of avocado: some new insights with special reference to the 'Hass' variety.** CAVYA. Bekey, R. Saticoy, Calif. : The Society. Yearbook - California Avocado Society. 1986. v. 70. p. 91-97. ill. Includes references. (NAL Call No.: DNAL 81 C128).

0452

**The pollination of avocados /by A.B. Stout.** Stout, Arlow Burdette, 1876-1957. Gainesville, Fla. : University of Florida Agricultural Experiment Station, 1933. Cover title. 44 p. : ill., charts ; 23 cm. Bibliography: p. 44. (NAL Call No.: DNAL 100 F66S (1) no.257).

0453

**Pollinator limitation, fruit production, and floral display in pawpaw (Asimina triloba).** Willson, M.F. Schemske, D.W. Bronx, The Club. Bulletin of the Torrey Botanical Club. July/Sept 1980. v. 107 (3). p. 401-408. ill. 19 ref. (NAL Call No.: 451 T63B).

0454

**The pollinators of the yellow passionfruit--do they limit the success of Passiflora edulis f. flavicarpa as a tropical crop?** Hammer, L.H. S.I. : The Society. Proceedings of the ... annual meeting of the Florida State Horticulture Society. Aug 1988. v. 100. p. 283-287. ill. Includes references. (NAL Call No.: DNAL SB319.2.F6F56).

## (PLANT PHYSIOLOGY AND BIOCHEMISTRY)

0455

**Possible rejuvenation of adult avocado by graftage onto juvenile rootstocks in vitro.**  
HJHSA. Pliego-Alfaro, F. Murashige, T. Alexandria, Va. : American Society for Horticultural Science. HortScience. Dec 1987. v. 22 (6). p. 1321-1324. ill. Includes references. (NAL Call No.: DNAL SB1.H6).

0456

**Postharvest density changes in membranes from ripening avocado fruits.**  
JOSHB. Dallman, T.F. Eaks, I.L.; Thomson, W.W.; Nothnagel, E.A. Alexandria, Va. : The Society. An investigation was performed with the goal of identifying, at the biochemical level, organelles that undergo postharvest change during ripening in avocado fruits (*Persea americana* Mill. cv. Hass). Membrane vesicles from mesocarp tissue at defined stages of ripening were fractionated by linear density gradient centrifugation and then assayed for characteristic marker activities. These measurements indicated that the Golgi and plasma membranes increased in buoyant density from 1.11 g.cm<sup>-3</sup> to 1.14 g.cm<sup>-3</sup> and from 1.15 g.cm<sup>-3</sup> to 1.17 g.cm<sup>-3</sup>, respectively, during ripening. The endoplasmic reticulum exhibited a smaller increase in density, while thylakoids and mitochondrial membranes showed no shifts in density during ripening. These membrane changes were apparent at the peak (predicted from measurements of C<sub>2</sub>H<sub>4</sub> production) of the respiratory curve that characterizes climacteric fruit ripening and were sustained for at least 6 days past the respiratory peak. Colorimetric lipid analyses of plasma membrane-enriched fractions indicated that the buoyant density increase during ripening was due, in part, to a decrease in the glycolipid : protein ratio. Electrophoretic analyses of fractions containing peak total activities of Golgi, thylakoids, or plasma membrane revealed several changes in the polypeptide banding patterns during ripening. Journal of the American Society for Horticultural Science. Sept 1988. v. 113 (5). p. 729-733. ill. Includes references. (NAL Call No.: DNAL 81 S012).

0457

**Postharvest effects of ancydromidol on *Ficus benjamina* L. (Acclimatization, foliage plant).**  
Peterson, N.C. Blessington, T.M. Alexandria, Va., American Society for Horticultural Science. HortScience. Aug 1982. v. 17 (4). p. 612-614. 10 ref. (NAL Call No.: SB1.H6).

0458

**Presence of a natural plant growth inhibitor in 'Early Black' cranberry leaves (Varieties).**  
Devlin, R.M. Deubert, K.H. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. p. 90-94. 11 ref. (NAL Call No.: 79.9 N814).

0459

**Procyanidins (condensed tannins) in green cell suspension cultures of Douglas fir (*Pseudotsuga menziesii*) compared with those in strawberry and avocado leaves by means of C<sub>18</sub>-reversed-phase chromatography.**  
Stafford, H.A. Lester, H.H. Rockville, Md., American Society of Plant Physiologists. Plant physiology. Dec 1980. v. 66 (6). p. 1085-1090. ill. 12 ref. (NAL Call No.: 450 P692).

0460

**Production acclimatization of foliage plants as affected by light and chemical growth regulation (*Ficus elastica*, *Hedera helix*, *Peperomia obtusifolia*).**  
Collins, P.C. Blessington, T.M. Mississippi State, Miss. : The Station. Research report - Mississippi Agricultural and Forestry Experiment Station. Apr 1984. v. 9 (2). 3 p. Includes references. (NAL Call No.: S79.E37).

0461

**Promotion of leaf abscission in intact *Ficus benjamina* by exposure to water stress.**  
Peterson, J.C. Sacalis, J.N.; Durkin, D.J. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. Nov 1980. v. 105 (6). p. 788-793. ill. 43 ref. (NAL Call No.: 81 S012).

0462

**Promotion of respiration by auxin in the induction of cell division in suspension culture.**  
JPGRD. Leonova, L.A. Gamburg, K.Z.; Vojnikov, V.K.; Varakina, N.N. New York, N.Y. : Springer. Journal of plant growth regulation. 1985. v. 4 (3). p. 169-176. Includes references. (NAL Call No.: DNAL QK745.J6).

0463

**Propagation in vitro of chinini (*Persea schiedeana* Nees).**  
CAVYA. Gonzalez-Rosas, H. Salazar-Garcia, S.; Valdivia, V.V. Saticoy, Calif. : The Society. Yearbook - California Avocado Society. 1985. v. 69. p. 125-131. ill. Includes references. (NAL Call No.: DNAL 81 C128).

(PLANT PHYSIOLOGY AND BIOCHEMISTRY)

0464

Propagation of date palms by shoot tip cultures (*Phoenix dactylifera*).

Tisserat, B. Alexandria, Va. : American Society for Horticultural Science. HortScience. Apr 1984. v. 19 (2). p. 230-231. ill. Includes references. (NAL Call No.: SB1.H6).

0465

Protect berry-pollinating bees (from hazardous insecticides).

Shanks, C.H. Johansen, C.; Antonelli, A. Pullman, Wash., The Service. Extension bulletin - Washington State University, Cooperative Extension Service. July 1981. July 1981. (0925). 2 p. ill. (NAL Call No.: 275.29 W27P).

0466

Rabbiteye blueberry nutrition.

Clark, J.R. Fayetteville, Ark. : Arkansas State Horticultural Society. Proceedings of the ... annual meeting - Arkansas State Horticultural Society. 1986. (107th). p. 97-101. (NAL Call No.: DNAL SB21.A7A7).

0467

Raisin and dried fig volatile components: possible insect attractants (*Plodia interpunctella*, *Oryzaephilus surinamensis*).

Buttery, R.G. Seifert, R.M.; Ling, L.C.; Soderstrom, E.I.; Yerington, A.P. Washington, D.C., The Society. ACS symposium series - American Chemical Society. 1981. Presented at a symposium on Quality of Selected Fruits and Vegetables of North America held Aug. 24-29, 1980, in Las Vegas, Nevada. v. 170. p. 29-41. ill. Includes 11 ref. (NAL Call No.: QD1.A45).

0468

Regulation of climacteric respiration in ripening avocado fruit.

PLPMA. Bennett, A.B. Smith, G.M.; Nichols, B.G. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. Apr 1987. v. 83 (4). p. 973-976. Includes references. (NAL Call No.: DNAL 450 P692).

0469

Relationship between abnormal embryo sac development and fruitfulness in olive (*Olea europaea*).

Rallo, L. Martin, G.C.; Lavee, S. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. Nov 1981. v. 106 (6). p. 813-817. ill. Includes 19 ref. (NAL Call No.: 81 S012).

0470

The relationship between seed number and pollen viability in *Vaccinium corymbosum* L. (Highbush blueberry).

Kloet, S.P. VanderHJHSA. Alexandria : American Society for Horticultural Science. HortScience. Apr 1983. v. 18 (2). p. 225-226. Includes references. (NAL Call No.: SB1.H6).

0471

Relationship of guava (*Psidium guajava* L.) fruit detachment force to the stage of fruit development and chemical composition (Mechanical harvesting, abscission).

Paull, R.E.HJHSA. Goo, T. Alexandria : American Society for Horticultural Science. HortScience. Feb 1983. v. 18 (1). p. 65-67. ill. Includes references. (NAL Call No.: SB1.H6).

0472

The relationship of highbush blueberry (*Vaccinium corymbosum* L.) flower volatile and nectar production to honeybees attractiveness / by Neil Joshua Vincent. -.

Vincent, Neil Joshua, 1943-. 1971. Thesis (Ph.D.)--Rutgers University, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. ix, 91 leaves ; 21 cm. Bibliography: leaves 86-90. (NAL Call No.: DISS 72-886).

0473

Relationships between nitrogen nutrition and vegetative growth of the lowbush blueberry, *Vaccinium angustifolium*, Ait. / by Jorge B. Valenzuela. -.

Valenzuela, Jorge B., 1942-. 1972. Thesis (Ph.D.)--University of Maine, 1972. Photocopy of typescript. Ann Arbor: University Microfilms, 1972. 89 leaves ; 21 cm. Bibliography: leaves 80-88. (NAL Call No.: DISS 72-21,559).

0474

Relationships of ethanol production by seeds of different types of Japanese persimmons and their tannin content (*Diospyros kaki*, pollination, astringency).

Sugiura, A.HJHSA. Tomana, T. Alexandria : American Society for Horticultural Science. HortScience. June 1983. v. 18 (3). p. 319-321. ill. Includes references. (NAL Call No.: SB1.H6).

(PLANT PHYSIOLOGY AND BIOCHEMISTRY)

0475

**The reproductive biology of raspberries and plant-pollinator community structure (North America).**

Whitney, G.G. Baltimore, Md. : Botanical Society of America. American journal of botany. Aug 1984. v. 71 (7). p. 887-894. ill. (NAL Call No.: 450 AM36).

0476

**Reproductive response of the highbush blueberry to root-zone flooding.**

HJHSA. Abbott, J.D. Gough, R.E. Alexandria, Va. : American Society for Horticultural Science. HortScience. Feb 1987. v. 22 (1). p. 40-42. Includes references. (NAL Call No.: DNAL SB1.H6).

0477

**Respiratory rate, ethylene production, and ripening response of avocado fruit to ethylene or propylene following harvest at different maturities.**

Eaks, I.L. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. Sept 1980. v. 105 (5). p. 744-747. ill. 13 ref. (NAL Call No.: 81 S012).

0478

**Response of container-grown rabbiteye blueberry plant to irrigation water quality and soil type.**

JOSHB. Haby, V.A. Patten, K.D.; Cawthon, D.L.; Krejsa, B.B.; Neuendorff, E.W.; Davis, J.V.; Peters, S.C. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. May 1986. v. 111 (3). p. 332-337. Includes references. (NAL Call No.: DNAL 81 S012).

0479

**Response of rabbiteye blueberries to flooding.**

Crane, J.H. Davies, F.S. s.l. : The Society. Proceedings of the ... annual meeting of the Florida State Horticulture Society. 1986. v. 98. p. 153-155. Includes references. (NAL Call No.: DNAL SB319.2.F6F56).

0480

**Response of 'Tifblue' rabbiteye blueberry to soil-applied paclobutrazol.**

HJHSA. Spiers, J.M. Alexandria, Va. : American Society for Horticultural Science. HortScience. Oct 1988. v. 23 (5). p. 837-839. Includes references. (NAL Call No.: DNAL SB1.H6).

0481

**Retardation of woody ornamental plants with EL-500 (Subapical growth inhibitor, *Ficus benjamina*, greenhouse testing).**

Hield, H. Hemstreet, S.; Weng, V. Lake Alfred, Fla., The Society. Proceedings of the Plant Growth Regulator Society of America. 1981. 1981. (8th). p. 171-175. Includes 3 ref. (NAL Call No.: SB128.P5).

0482

**Role of ethylene in avocado fruitlet abscission.**

Davenport, T.L. PPGD. Lake Alfred : The Society. Proceedings annual meeting - Plant Growth Regulator Society of America. 1982. 1982. (9th). p. 147-152. ill. Includes references. (NAL Call No.: SB128.P5).

0483

**Role of the endocarp in 'Manzanillo' olive seed germination.**

JOSHB. Crisosto, C. Sutter, E.G. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. 1985. v. 110 (1). p. 50-52. Includes references. (NAL Call No.: DNAL 81 S012).

0484

**Root distribution of 'Climax' rabbiteye blueberry as affected by mulch and irrigation geometry.**

JOSHB. Patten, K.D. Neuendorff, E.W.; Peters, S.C. Alexandria, Va. : The Society. We studied the horizontal and vertical root distribution of 3-year-old 'Climax' rabbiteye blueberry (*Vaccinium ashei* Reade) in a sandy loam soil. Root density decreased logarithmically in the horizontal direction from the crown and linearly with depth. Ninety percent of the roots were within 0 to 0.38 m from the crown and 0 to 0.45 m depth. Roots spread more within the rows than across rows. Sawdust mulch increased the radial spread of roots, but did not promote rooting in the top 0.15 m of soil. Compared to one or two drip emitters per plants, low-volume spray emitters increased radial spread of roots, but only in combination with mulching. Greatest vertical rooting occurred with a single emitter at the base of the plant without mulch. Emitters placed 0.46 m from the crown of the plant did not help the spread of roots towards these emitters. Journal of the American Society for Horticultural Science. Sept 1988. v. 113 (5). p. 657-661. ill. Includes references. (NAL Call No.: DNAL 81 S012).

(PLANT PHYSIOLOGY AND BIOCHEMISTRY)

0485

**Root distribution of 'Tifblue' rabbiteye blueberry as influenced by irrigation, incorporated peatmoss, and mulch.**  
JOSHB. Spiers, J.M. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Nov 1986. v. 111 (6). p. 877-880. ill. Includes references. (NAL Call No.: DNAL 81 SD12).

0486

**Root respiration and soil aeration status of blueberries (Vaccinium sp.).**  
Korcak, R.F. JPNUD. New York : Marcel Dekker. Journal of plant nutrition. 1983. v. 6 (4). p. 283-289. Includes references. (NAL Call No.: QK867.J67).

0487

**Root/shoot relation and some root characteristics in seedlings of avocado and chinin.**  
CAVYA. Borys, M.W. Saticoy, Calif. : The Society. Yearbook - California Avocado Society. 1986. v. 70. p. 175-198. Includes references. (NAL Call No.: DNAL 81 C128).

0488

**Seasonal development of highbush blueberry roots under sawdust mulch.**  
JOSHB. Abbott, J.D. Gough, R.E. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Jan 1987. v. 112 (1). p. 60-62. Includes 25 references. (NAL Call No.: DNAL 81 S012).

0489

**Seasonal fluctuations of lectins in barks of elderberry (Sambucus nigra) and black locust (Robinia pseudoacacia).**  
PLPHA. Nsimba-Lubaki, M. Peumans, W.J. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. Mar 1986. v. 80 (3). p. 747-751. ill. Includes 18 references. (NAL Call No.: DNAL 450 P692).

0490

**Seasonal patterns of nitrogen, phosphorus, potassium, calcium and magnesium in the leaves of the Massachusetts cranberry.**  
CSOSA2. DeMoranville, C.J. Deubert, K.H. New York, N.Y. : Marcel Dekker. Communications in soil science and plant analysis. 1986. v. 17 (8). p. 869-884. Includes 21 references. (NAL Call No.: DNAL S590.C63).

0491

**Seasonal trends in nutrient composition of 'tifblue' rabbiteye blueberry leaves.**  
Spiers, J.M. Gupton, C.L. Alexandria, Va., American Society for Horticultural Science. HortScience. June 1981. v. 16 (3). p. 415. (NAL Call No.: SB1.H6).

0492

**Seasonal variation in elemental concentration of blackberry leaves.**  
HUHSA. Clark, J.R. Buckley, J.B. III; Hellman, E.W. Alexandria, Va. : American Society for Horticultural Science. HortScience. Dec 1988. v. 23 (6). p. 1080. Includes references. (NAL Call No.: DNAL SB1.H6).

0493

**Seed dormancy in blue elderberry (Sambucus cerulea).**  
Clancy, J.A. Maguire, J.D. East Lansing, Association of Official Seed Analysts. Journal of seed technology. 1979. v. 4 (1). p. 24-33. ill. 17 ref. (NAL Call No.: SB113.2.J6).

0494

**Short-term flooding effects on gas exchange and quantum yield of rabbiteye blueberry (Vaccinium ashei Reade).**  
PLPHA. Davies, F.S. Flore, J.A. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. May 1986. v. 81 (1). p. 289-292. Includes 22 references. (NAL Call No.: DNAL 450 P692).

0495

**Some environmental effects on photosynthesis and water relations of avocado leaves.**  
Scholefield, P.B. Walcott, J.J.; Kriedemann, P.E.; Ramadasan, A. Saticoy, Calif. : The Society. Yearbook - California Avocado Society. 1980. v. 64. p. 93-94, 96-105. ill. 21 ref. (NAL Call No.: 81 C128).

0496

**Some factors associated with fruit maturity range in cultivars of the semi-erect, tetraploid thornless blackberry.**  
HUHSA. Takeda, F. Alexandria, Va. : American Society for Horticultural Science. HortScience. June 1987. v. 22 (3). p. 405-408. ill. Includes references. (NAL Call No.: DNAL SB1.H6).

(PLANT PHYSIOLOGY AND BIOCHEMISTRY)

0497

**Some root characteristics of avocado (Persea americana Mill.) seedlings of the West Indian and Guatemalan races.**

CAVYA. Borys, M.W. Barrera-Guerra, J.L.; Luna-Lopez, J. Saticoy, Calif. : The Society. Yearbook - California Avocado Society. 1985. v. 69. p. 111-122. Includes references. (NAL Call No.: DNAL 81 C128).

0498

**The stability of the symbiosis between dioecious figs and their pollinators: a study of Ficus carica L. and Blastophaga psenes L.**  
EVOLA. Kjellberg, F. Gouyon, P.H.; Ibrahim, M.; Raymond, M.; Valdeyron, G. Lawrence, Kan. : Society for the Study of Evolution. Evolution. July 1987. v. 41 (4). p. 693-704. Includes references. (NAL Call No.: DNAL 443.8 EV62).

0499

**A study of senescence in the red raspberry cane /W.G. Brierley.**  
Brierley, W. G. 1885-. St. Paul : University Farm, 1930. Cover title.~ Originally presented as: Thesis (Ph. D.)--Michigan State College of Agriculture and Applied Science, 1930. 36 p. : ill., charts ; 23 cm. Bibliography: p. 35-36. (NAL Call No.: DNAL 100 M66 (3) no.69).

0500

**Supercooling in 'Darrow' blackberry buds.**  
JOSHB. Warmund, M.R. George, M.F.; Cumbie, B.G. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. May 1988. v. 113 (3). p. 418-422. ill. Includes references. (NAL Call No.: DNAL 81 S012).

0501

**Suppressed buds embedded in the bark across the bole and the occurrence of their circular vessels in Ficus religiosa.**  
AJBOA. Aloni, R. Wolf, A. Baltimore, Md. : Botanical Society of America. American journal of botany. Sept 1984. v. 71 (8). p. 1060-1066. ill. Includes references. (NAL Call No.: DNAL 450 AM36).

0502

**'Swan Hill' as an ornamental olive cultivar.**  
CAGRA. Fernandez-Escobar, R. Martin, G.C. Berkeley, Calif. : The Station. California agriculture - California Agricultural Experiment Station. Nov/Dec 1986. v. 40 (11/12). p. 18. ill. (NAL Call No.: DNAL 100 C12CAG).

0503

**Thornless blackberry is a climacteric fruit (Rubus sp., ethylene, ripening).**  
Walsh, C.S. HUHSA. Popenoe, J.; Solomos, T. Alexandria : American Society for Horticultural Science. HortScience. Aug 1983. v. 18 (4, sect.1). p. 482-483. ill. Includes references. (NAL Call No.: SB1.H6).

0504

**Trace glycoside from cranberries (Vaccinium oxycoccus).**

Jankowski, K. LLOYD. Pare, J.R.J. Cincinnati : American Society of Pharmacognosy. Journal of natural products. Mar/Apr 1983. v. 46 (2). p. 190-193. ill. Includes references. (NAL Call No.: 442.8 L77).

0505

**Urea retention and uptake by avocado and apple leaves.**

JPNUDS. Klein, I. Zilkah, S. New York, N.Y. : Marcel Dekker. Journal of plant nutrition. 1986. v. 9 (11). p. 1415-1425. Includes references. (NAL Call No.: DNAL QK867.J67).

0506

**The USDA Economic Botany Laboratory's data base on minor economic plant species.**

Duke, J. Washington, D.C. : For sale by the Supt. of Docs., U.S. G.P.O., 1983. Plants : the potentials for extracting protein, medicines, and other useful chemicals : workshop proceedings / Congress of the United States, Office of Technology Assessment. Includes list of ecological amplitudes of 100 perennial weeds. p. 196-214, 43-45. ill. Includes 10 references. (NAL Call No.: DNAL TP453.P7P557).

0507

**Variation among highbush blueberry cultivars in susceptibility to spring frost.**

JOSHB. Hancock, J.F. Nelson, J.W.; Bittenbender, H.C.; Callow, P.W.; Cameron, J.S.; Krebs, S.L.; Pritts, M.P.; Schumann, C.M. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. July 1987. v. 112 (4). p. 702-706. Includes references. (NAL Call No.: DNAL 81 S012).

0508

**Water for cranberry culture in the Cranmoor area of central Wisconsin / by Louis J. Hamilton ; prepared in cooperation with University Extension--the University of Wisconsin Geological and Natural History Survey. -.**  
Hamilton, Louis J. (Louis John). Washington,

(PLANT PHYSIOLOGY AND BIOCHEMISTRY)

D.C. U.S. G.P.O. 1971. Two folded sheets of illustrations in pocket. iii, 20 p. : ill., maps ; 24 cm. --. Bibliography: p. 20. (NAL Call No.: 407 G29W no.1999-I).

0514

**31P-NMR monitoring of ethephon decomposition in olive leaves.**

JOSHB. Lang, G.A. Martin, G.C. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. July 1986. v. 111 (4). p. 577-581. Includes references. (NAL Call No.: DNAL 81 S012).

0509

**Water relations of small fruits.**

Davies, F.S. Albrigo, L.G. New York : Academic Press. Water deficits and plant growth. 1983. Literature review. v. 7. p. 89-136. ill. Includes references. (NAL Call No.: QK870.K6).

0510

**Water stress, growth, and critical water potentials of rabbiteye blueberry (*Vaccinium ashei* Reade).**

Davies, F.S. Johnson, C.R. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. Jan 1982. v. 107 (1). p. 6-8. Includes 18 ref. (NAL Call No.: 81 S012).

0511

**Waterlogging of containerized rabbiteye blueberries in Florida (*Vaccinium ashei*, injuries, flood tolerance, physiology).**

Davies, F.S. Wilcox, D. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. July 1984. v. 109 (4). p. 520-524. ill. Includes 21 references. (NAL Call No.: 81 S012).

0512

**Woody stem production in Alaskan tundra shrubs.**  
ECOLA. Shaver, G.R. Tempe, Ariz : Ecological Society of America. Ecology : a publication of the Ecological Society of America. June 1986. v. 67 (3). p. 660-669. Includes references. (NAL Call No.: DNAL 410 EC7).

0513

**25-azacycloartanol, a potent inhibitor of S-adenosyl-L-methionine-sterol-C-24 and C-28 methyltransferases in higher plant cells (of maize embryos, *Rubus fruticosus*).**  
Rahier, A. Narula, A.S.; Benveniste, P.; Schmitt, P. New York, Academic Press. Biochemical and biophysical research communications. Jan 15, 1980. v. 92 (1). p. 20-25. ill. 9 ref. (NAL Call No.: 442.8 B5236).

# PLANT TAXONOMY AND GEOGRAPHY

0515

**Interspecific differences in the percentage of anthocyanins, aglycones, and aglycone-sugars in the fruit of seven species of blueberries.**

JOSHB. Ballington, J.R. Ballinger, W.E.;  
Maness, E.P. Alexandria, Va. : The Society.  
Journal of the American Society for  
Horticultural Science. Sept 1987. v. 112 (5).  
p. 859-864. Includes references. (NAL Call No.:  
DNAL 81 S012).

0516

**Pollen viability in five Southeastern United States diploid species of *Vaccinium*.**

JOSHB. Megalos, B.S. Ballington, J.R.  
Alexandria, Va. : The Society. Journal of the  
American Society for Horticultural Science. Nov  
1987. v. 112 (6). p. 1009-1012. ill. Includes  
references. (NAL Call No.: DNAL 81 S012).

# PROTECTION OF PLANTS

0517

**Blueberries--insect, disease, and weed control guide for commercial growers (in Idaho).**  
Corvallis : The Service. PNW - Pacific Northwest Extension Publication - Oregon State University, Extension Service. Sept 1983. Sept 1983. (232). 16 p. (NAL Call No.: 275.29 W27PN).

0518

**Blueberry spray schedule for home gardens.**  
Marucci, P. New Brunswick, N.J. : The Service. FS - Cooperative Extension Service, Cook College. 1987. (106,rev.). 2 p. (NAL Call No.: DNAL S544.3.N5F7).

0519

**Bramble spray schedule for home gardens.**  
Goulart, B. Springer, J.; Race, S.; Meade, J. New Brunswick, N.J. : The Service. FS - Cooperative Extension Service, Cook College. 1987. (101,rev.). 2 p. (NAL Call No.: DNAL S544.3.N5F7).

0520

**Carambola production in Florida.**  
Campbell, C.W. Knight, R.J. Jr.; Olszack, R. s.1. : The Society. Proceedings of the ... annual meeting of the Florida State Horticulture Society. 1986. v. 98. p. 145-149. ill. Includes references. (NAL Call No.: DNAL SB319.2.F6F56).

0521

**Commercial bramble culture.**  
Kremer, G. Myers, S.; Bertrand, P.; Horton, D. Athens, Ga. : The Service. Bulletin - Cooperative Extension Service, University of Georgia, College of Agriculture. Oct 1987. (964). 11 p. ill. Includes references. (NAL Call No.: DNAL 275.29 G29B).

0522

**Commercially grown blueberries: insect, disease, and weed control guide for Washington State.**  
Antonelli, A.L. Byther, R.S.; Doughty, C.C.; Scheer, W.P.A.; Shanks, C.H. Pullman, Wash.. The Service. Extension bulletin - Washington State University, Cooperative Extension Service. May 1981. May 1981. (0849). 12 p. (NAL Call No.: 275.29 W27P).

0523

**Control guide for olive pests and diseases.**  
Van Steenwyk, R.A. (comp.). Teviotdale, B.L. (comp.); McKenny, M.V. (comp.). Berkeley, Calif. : The Service. Leaflet - University of California, Cooperative Extension Service. Aug 1983. Aug 1983. (21370,rev.). 4 p. (NAL Call No.: S544.3.C2C3).

0524

**Cranberry frost protection using sprinklers.**  
Gronwald, R.F. Haines, W. Sr. New York : American Society of Civil Engineers, c1982. Proceedings of the Specialty Conference on Environmentally Sound Water and Soil Management : Orlando, Fla., July 20-23, 1982 / E.G. Kruse, C.R. Burdick, and Y.A. Yousef, co-editors. p. 284-289. (NAL Call No.: TC803.S64 1982).

0525

**Cranberry insect and disease control program.**  
WUEXA. Shawa, A.Y. Shanks, C.; Bristow, P.R.; Engibous, J.C. Pullman, Wash. : The Service. Extension bulletin - Washington State University, Cooperative Extension Service. Feb 1987. (0845,rev.). 4 p. (NAL Call No.: DNAL 275.29 W27P).

0526

**Cranberry insect and disease control program, 1986.**  
WUEXA. Shawa, A.Y. Shanks, C.; Bristow, P.R. Pullman, Wash. : The Service. Extension bulletin - Washington State University, Cooperative Extension Service. Jan 1986. (845,rev.). 4 p. (NAL Call No.: DNAL 275.29 W27P).

0527

**Growing blueberries.**  
Schaller, C.C. Little Rock, Ark. : The Service. Leaflet EL - University of Arkansas, Cooperative Extension Service. 1987? . (600). 12 p. ill., maps. Includes references. (NAL Call No.: DNAL 275.29 AR4LE).

0528

**Growing blueberries in Missouri.**  
Fuqua, B. Odneal, M.; Andersen, P.; Schroeder, M.; Ashley, G. Mountain Grove, Mo. : The Station. Bulletin - State Fruit Experiment Station of Southwest Missouri State University, Mountain Grove. Feb 1987. (42). 26 p. ill. (NAL Call No.: DNAL 100 M694).

(PROTECTION OF PLANTS)

0529

**Highbush blueberry diseases.**

ARHMA. Ramsdell, D.C. East Lansing, Mich. : The Society. Annual report - Michigan State Horticultural Society. 1986. (116th). p. 193-200. (NAL Call No.: DNAL 81 M58).

0530

**Hints on growing blueberries.**

MUCBA. Hanson, E.J. Hancock, J.F. East Lansing, Mich. : The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. Includes statistical data. Feb 1988. (2066). 8 p. ill. Includes references. (NAL Call No.: DNAL 275.29 M58B).

0531

**Indiana commercial spray schedules for small fruit, 1988.**

Hayden, R.A. Pecknold, P.C.; Weller, S.C.; Matthew, D.L. Jr. West Lafayette, Ind. : The Service. Publication I.D. - Cooperative Extension Service, Purdue University. Feb 1988. (169). 21 p. (NAL Call No.: DNAL 275.29 IN2ID).

0532

**Insect and disease control for home gardens: small fruits berries.**

Byther, R.S. Pullman, Wash., The Service. EM - Washington State University, Cooperative Extension Service. Sept 1980. Sept 1980. (3435). 5 p. (NAL Call No.: 275.29 W27MI).

0533

**Insects and diseases injurious to cranberries / E.S. Goff .**

Goff, E. S. 1852-1902. Madison, Wis. : University of Wisconsin, Agricultural Experiment Station, 1893. Cover title. 19 p. : ill. ; 23 cm. (NAL Call No.: DNAL 100 W75 (1) no.35).

0534

**Integrated pest management and its potential application in small fruits production.**

Fisher, G.C. Weinzierl, R. Portland, Ore., The Society. Annual report - Oregon Horticultural Society. 1981. v. 72. p. 95-99. (NAL Call No.: 81 OR32).

0535

**Method for the preliminary assessment of aquatic contamination sites using sediment extract toxicity tests.**

BECTA6. Larson, L.J. New York, N.Y. : Springer-Verlag. Bulletin of environmental contamination and toxicology. Feb 1989. v. 42 (2). p. 218-225. maps. Includes references. (NAL Call No.: DNAL RA1270.P35A1).

0536

**Raspberries--insect, disease, and weed control guide for commercial growers (in Idaho).**

Corvallis : The Service. PNW - Pacific Northwest Extension Publication - Oregon State University, Extension Service. Sept 1983. Sept 1983. (233). 16 p. (NAL Call No.: 275.29 W27PN).

0537

**Raspberry diseases and their control.**

ARHMA. Ramsdell, D.C. East Lansing, Mich. : The Society. Annual report - Michigan State Horticultural Society. 1986. (116th). p. 175-179. (NAL Call No.: DNAL 81 M58).

0538

**Raspberry pest control for home gardeners.**

Mahr, D.L. Binning, L.K.; Boone, D.M. Madison, Wis., The Programs. Publication - Cooperative Extension Programs, University of Wisconsin Extension. Apr 1981. Apr 1981. (A2128). 4 p. (NAL Call No.: S544.3.W6W53).

0539

**Raspberry pest control for home gardeners (Insects, diseases, weeds).**

Mahr, D.L. Binning, L.K.; Boone, D.M. Madison, Wis., The Programs. Publication - Cooperative Extension Programs, University of Wisconsin Extension. Apr 1981. Apr 1981. (A2128). 3 p. (NAL Call No.: S544.3.W6W53).

0540

**Training manual for pesticide applicator certification in Massachusetts : private applicator specialty: cranberries. -**

(Amherst, Mass.) University of Massachusetts, Extension Service, Dept. of Entomology 1982. Cover title ~Pesticide Applicator Training collection ~Cat. no. 30. 26 p. ; 28 cm. --. (NAL Call No.: SB608.C87T7 1982).

0541

**Training manual for pesticide applicator certification in Massachusetts : private applicator specialty: small fruits / as revised by Karen Hauschild.** --.

Hauschild, Karen. (Amherst, Mass.) University of Massachusetts, Extension Service 1982. Cover title ~Pesticide Applicator Training collection ~Cat. no. 27. 31 p. ; 28 cm. --. (NAL Call No.: SB608.F8H37 1982).

0542

**1984 cranberry insect and disease control program.**

Shawa, A.Y. Shanks, C.; Bristow, P.R. Pullman, Wash. : The Service. Extension Bulletin - Washington State University, Cooperative Extension Service. Mar 1984. Mar 1984. (0845,rev.). 4 p. (NAL Call No.: 275.29 W27P).

0543

**1988 spray guide for commercial small fruits.**  
WUEXA. Pullman, Wash. : The Service. Extension bulletin - Washington State University, Cooperative Extension Service. May 1988. (1491). 43 p. (NAL Call No.: DNAL 275.29 W27P).

0544

**1988-89 pest management guide for commercial small fruit production.**  
Luna, J.M. (tech. coord.). Blacksburg, Va. : Extension Division, Virginia Polytechnic Institute and State University. Publication - Virginia Cooperative Extension Service. Jan 1988. (456-005,rev.). 13 p. ill. (NAL Call No.: DNAL S544.3.V8V52).

# PESTS OF PLANTS - GENERAL AND MISC.

0545

**Behavioral techniques to reduce bird damage to blueberries: methiocarb and a hawk-kite predator model (Connecticut).**

Conover, M.R. WLSBA. Bethesda : The Society. Wildlife Society bulletin. Fall 1982. v. 10 (3). p. 211-216. 10 ref. (NAL Call No.: SK357.A1W5).

0546

**Commercially grown blueberries: insect, disease, and weed control guide for Washington State.**

WA. Pullman, Wash., The Service. EM - Cooperative Extension Service, Washington State University. Washington State University. Cooperative Extension Service. Apr 1980. Apr 1980. (4540). 10 p. (NAL Call No.: 275.29 W27MI).

0547

**Commercially grown raspberries: insect, disease, and weed control guide for Washington State.**

WA. Pullman, Wash., The Service. EM - Cooperative Extension Service, Washington State University. Washington State University. Cooperative Extension Service. Apr 1980. Apr 1980. (3748). 10 p. (NAL Call No.: 275.29 W27MI).

0548

**Control of *Helix aspersa* on citrus and avocado.**

Morse, J.G. Sakovich, N.J. Clemson, S.C. : South Carolina Entomological Society. Journal of agricultural entomology. Oct 1986. v. 3 (4). p. 342-349. Includes references. (NAL Call No.: DNAL SB599.J69).

0549

**Raspberry pest control for home gardeners.**

Mahr, D. L. Binning, L. K.; Boone, D. M. & Urban phytomanian series. 1981. This publication gives general suggestions for pest control for raspberry home gardeners. It also gives disease and insect spraying guide and a herbicide spraying guide. Document available from: Agricultural Bulletin Building, 1535 Observatory Drive, University of Wisconsin, Madison, WI 53706. 3 p. (NAL Call No.: A2128).

0550

**A review of pest control in avocados.**

Gustafson, C.D. Saticoy, Calif., The Society. Yearbook - California Avocado Society. 1979. 1979. p. 58-60, 62-65. (NAL Call No.: 81 C128).

# PESTS OF PLANTS - INSECTS

0551

**Amorbia cuneana, a pest of avocados in California: discovery of sibling species through the use of pheromones.**  
CAVYA. Bailey, J.B. McDonough, L.M.; Olsen, K.N. Saticoy, Calif. : The Society. Yearbook - California Avocado Society. 1986. v. 70. p. 151-156. Includes references. (NAL Call No.: DNAL 81 C128).

0552

**Aphids injurious to orchard fruits, currant, gooseberry and grape**A.L. Quaintance and A.C. Baker. --.  
Quaintance, A. L. Washington, D.C. : U.S. Dept. of Agriculture, 1917. 42 p. : ill. --. (NAL Call No.: DNAL Fiche S-70 no.804).

0553

**Applying parasitic nematodes to control carpenterworms in fig orchards (Neoaplectana carpocapsae, Prionoxystus robiniae, San Joaquin Valley, biological control).**  
Lindgren, J.E. CAGRA. Barnett, W.W. Berkeley : The Station. California agriculture - California Agricultural Experiment Station. Nov/Dec 1982. v. 36 (11/12). p. 7-8. ill. (NAL Call No.: 100 C12CAG).

0554

**Avian fruit removal: effects of fruit variation, crop size, and insect damage.**  
ECOLA. Jordano, P. Tempe, Ariz : Ecological Society of America. Ecology : a publication of the Ecological Society of America. Dec 1987. v. 68 (6). p. 1711-1723. Includes references. (NAL Call No.: DNAL 410 EC7).

0555

**Avocado brown mite feeding injury on avocado (Oligonychus punicae).**  
Sances, F.V. Toscano, N.C.; Hoffmann, M.P.; LaPre, L.F.; Johnson, M.W.; Bailey, J.B. Saticoy, Calif., The Society. Yearbook - California Avocado Society. 1981. v. 65. p. 119-123. ill. (NAL Call No.: 81 C128).

0556

**Behavior of *Heliothis virescens* (F.) in presence of oviposition deterrents from elderberry.**  
JCECD. Tingle, F.C. Mitchell, E.R. New York, N.Y. : Plenum Press. Journal of chemical ecology. June 1986. v. 12 (6). p. 1523-1531. Includes references. (NAL Call No.: DNAL QD415.A1J6).

0557

**Beneficial nematodes control tree pests (Neoaplectana carpocapsae, carpenterworm larvae, fig orchards, California).**  
Dean, P. Washington, D.C., The Service. Agricultural research - United States Agricultural Research Service. Sept 1981. v. 30 (3). p. 9. (NAL Call No.: 1.98 AG84).

0558

**Biological control of olive scale and its relevance to ecological theory (Cocophagoides utilis).**  
Murdoch, W.W. AMNTA. Reeve, J.D.; Huffaker, C.B.; Kennett, C.E. Chicago : University of Chicago Press. The American naturalist. Mar 1984. v. 123 (3). p. 371-392. Includes references. (NAL Call No.: 470 AM36).

0559

**Biological control of two avocado pests.**  
CAGRA. Oatman, E.R. Platner, G.R. Berkeley : The Station. California agriculture - California Agricultural Experiment Station. Nov/Dec 1985. v. 39 (11/12). p. 21-23. ill. (NAL Call No.: DNAL 100 C12CAG).

0560

**Biological controls--managing citrus whitefly and cranberry rootworm.**  
Oliver, A.D. ANURA. Chicago : American Nurseryman Publishing Co. American nurseryman. Aug 15, 1981. v. 154 (4). p. 11, 37-38, 40. ill. (NAL Call No.: 80 AM371).

0561

**Biological pest control: kicking the chemical habit.**  
Thompson, W. Vista, Calif. : Rancher Pub. Avocado grower. Jan 1984. v. 8 (1). p. 23-27. ill. (NAL Call No.: DNAL SB379.A9A9).

0562

**Biology and control of avocado insects and mites /by Howard L. McKenzie.**  
McKenzie, Howard L. 1910-. Berkeley, Cal. : Agricultural Experiment Station, 1935. Cover title.~ "Paper no. 318, University of California Citrus Experiment Station and Graduate School of Tropical Agriculture, Riverside, California.". 48 p. : ill. ; 23 cm. Bibliography: p. 44-48. (NAL Call No.: DNAL 100 C12S no.592).

(PESTS OF PLANTS - INSECTS)

0563

**Biology and control of insect pests of blackberry and blueberry.**  
Johnson, D.I. Fayetteville, Ark. : Arkansas State Horticultural Society. Proceedings of the ... annual meeting - Arkansas State Horticultural Society. Paper presented at the "106th Annual Meeting of the Arkansas State Horticultural Society," November 13 and 14, 1985, Fort Smith, Arkansas. 1985. (106). p. 171-175. (NAL Call No.: DNAL SB21.A7A7).

0564

**The biology and control of the blueberry maggot in Washington County, Maine /by F.H. Lathrop and C.B. Nickels.**  
Lathrop, Frank H. 1891-. Nickels, C. B. 1898-. Washington : U.S. Dept. of Agriculture, 1932. Cover title. Literature cited: p. 75-76. 77 p., 14 p. of plates : ill. ; 23 cm. (NAL Call No.: DNAL 1 Ag84Te no.275).

0565

**Biology and control of the raspberry crown borer *Bembecia marginata* (Harris) / E.P. Breakey .**  
Breakey, E. P. 1900-. Pullman, Wash. : Washington Agricultural Experiment Stations, Institute of Agricultural Sciences, Washington State University, 1963. Cover title. 13, 1 p. : col. ill. ; 23 cm. Bibliography: p. 14 . (NAL Call No.: DNAL 100 W27T no.39).

0566

**Biology and control of the rednecked cane borer.**  
AKFRA. Johnson, D.T. Mayes, R.L. Fayetteville, Ark. : The Station. Arkansas farm research - Arkansas Agricultural Experiment Station. May/June 1986. v. 35 (3). p. 6. (NAL Call No.: DNAL 100 AR42F).

0567

**Biology and control of the rednecked cane borer on blackberries and control of fruitworms on blueberries.**  
Mayes, R.L. Johnson, D.T. Fayetteville, Ark. : Arkansas State Horticultural Society. Proceedings of the ... annual meeting - Arkansas State Horticultural Society. 1986. (107th). p. 107-109. (NAL Call No.: DNAL SB21.A7A7).

0568

**Biology of the blueberry leaftier *Croesia curvalana* (Kearfott) (Tortricidae): a field and laboratory study.**  
JLPSA. Ponder, B.M. Seabrook, W.D. Los Angeles, Calif. : The Society. Journal of the Lepidopterists' Society. 1988. v. 42 (2). p. 120-131. ill. Includes references. (NAL Call No.: DNAL 421 L554).

0569

**The blackberry mite the cause of redberry disease of Himalaya blackberry and its control /E.O. Essig.**  
Essig, E. O. b. 1884. Berkeley, Cal. : Agricultural Experiment Station, 1925. Cover title. 10 p., 1 leaf of plates : ill. (one col.), 1 map ; 24 cm. Includes bibliographical references. (NAL Call No.: DNAL 100 C12S no.399).

0570

**Blacklight monitoring of two avocado insect pests.**  
CAGRA. Bailey, J.B. Hoffmann, M.P.; Olsen, K.N. Berkeley, Calif. : The Station. California agriculture - California Agricultural Experiment Station. Mar/Apr 1988. v. 42 (2). p. 26-27. ill. (NAL Call No.: DNAL 100 C12CAG).

0571

**Blueberries.**  
MUCBA. East Lansing, Mich. : The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. Dec 1986. (E-154). p. 66-70. (NAL Call No.: DNAL 275.29 M58B).

0572

**Bramble commercial pest control recommendations. I.**  
Goulart, B. Race, S.; Meade, J.; Springer, J. New Brunswick, N.J. : The Service. FS - Cooperative Extension Service, Cook College. 1987. (251). 2 p. (NAL Call No.: DNAL S544.3.N5F7).

0573

**Bramble commercial pest control recommendations. II.**  
Goulart, B. Race, S.; Meade, J.; Springer, J. New Brunswick, N.J. : The Service. FS - Cooperative Extension Service, Cook College. 1987. (252). 2 p. (NAL Call No.: DNAL S544.3.N5F7).

(PESTS OF PLANTS - INSECTS)

0574

**Brambles.**

MUCBA. East Lansing, Mich. : The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. Dec 1986. (E-154). p. 62-64. (NAL Call No.: DNAL 275.29 M58B).

0575

**Commercial raspberry pest control guide.**  
Hertz, Leonard B. Stienstra, Ward.; Lofgren, John A. & Horticulture fact sheet. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1981. Examines fungicides, insecticides, spray schedule and weed control in raspberries. 1 sheet : ill. (NAL Call No.: Document available from source.). (NAL Call No.: FS No.52).

0576

**A comparative study of dusting by means of airplane and ground machine for the control of the blueberry maggot /F.H. Lathrop and C.B. Nickels.**

Lathrop, Frank H. 1891-. Nickels, C. B. 1898-. Washington, D.C. : U.S. Dept. of Agriculture, 1930. Caption title.~ "Contribution from Bureau of Entomology.". 15 p. : ill. ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 1 Ag84C no.123).

0577

**Comparisons of parasitism and densities of *Parlatoria oleae* (1952-1982) in relation to ecological theory.**

AMNTA. Huffaker, C.B. Kennett, C.E.; Tassan, R.L. Chicago, Ill. : University of Chicago Press. The American naturalist. Sept 1986. v. 128 (3). p. 379-393. Includes references. (NAL Call No.: DNAL 470 AM36).

0578

**Control of aphids injurious to orchard fruits, currant, gooseberry and grape /A.L. Quaintance and A.C. Baker.**

Quaintance, A. L. 1870-1958. Baker, A. C. 1885-. Washington, D.C. : U.S. Dept. of Agriculture, 1920. Cover title.~ "Contribution from the Bureau of Entomology.". 48 p. : ill. ; 23 cm. (NAL Call No.: DNAL 1 Ag84F no. 1128).

0579

**Control of blueberry thrips, *Frankliniella vaccinii* Morgan, with permethrin and effect on yield and residue in fruit.**

MacPhee, A. Gaul, S.; Ragab, M.T.H. New York, Marcel Dekker. Journal of environmental science and health. Part B: Pesticides, food contaminants, and agricultural wastes. 1982. v. 17 (2). p. 183-193. Includes 3 ref. (NAL Call No.: TD172.J61).

0580

**Controlling root weevils in commercial strawberries, caneberries, and blueberries.**

Fisher, G.C. Rosentiel, R.G. Corvallis, Or. : The Service. Extension circular - Oregon State University, Extension Service. Sept 1984. (1203). 4 p. ill. (NAL Call No.: DNAL 275.29 OR32C).

0581

**Cranberry girdler control (Sod webworm, *Crambus topiarius*).**

Yarris, L. SEA-WO-AR-W. Washington, D.C., The Administration. Agricultural research - U.S. Department of Agriculture, Science and Education Administration. June 1980. v. 28 (12). p. 14. ill. (NAL Call No.: 1.98 AG84).

0582

**Cranberry girdler moth damage to Douglas-fir seedlings in Coeur d'Alene Nursery, Idaho Panhandle National Forests, 1982 (*Pseudotsuga menziesii*, *Chrysoteuchia topiaria*, control).**  
Tunnock, S. Missoula : The Region. Report - USDA Forest Service, Northern Region, State and Private Forestry. Dec 1982. Dec 1982. (82-28). 6 p. ill. Includes references. (NAL Call No.: aSD11.U585).

0583

**Cranberry insect and disease control program, 1985.**

WUEXA. Shawa, A.Y. Shanks, C. Bristow, P.R. Pullman, Wash. : The Service. Extension Bulletin - Washington State University, Cooperative Extension Service. Mar 1985. (1845,rev.). 4 p. (NAL Call No.: DNAL 275.29 W27P).

0584

**Cricket paralysis virus, a potential control agent for the olive fruit fly, *Dacus oleae* Gmel.**

APMBA. Manousis, T. Moore, N.F. Washington, D.C. : American Society for Microbiology. Applied and environmental microbiology. Jan 1987. v. 53 (1). p. 142-148. ill. Includes

## (PESTS OF PLANTS - INSECTS)

references. (NAL Call No.: DNAL 448.3 AP5).

0585

**Cuban laurel thrips control on Ficus retusa grown in containers and the landscape (Gynaikothrips ficorum, tropics, southern U.S., pest).**

Reinert, J.A. Nashville : The Association. SNA nursery research journal - Southern Nurserymen's Association. Sept 1982. v. 8 (1). p. 13-21. Includes references. (NAL Call No.: SB52.U5S6).

0586

**Days between final spray and harvest.**

MUCBA. East Lansing, Mich. : The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. Dec 1986. (E-154). p. 96-97. (NAL Call No.: DNAL 275.29 M58B).

0587

**Degradation of parathion in culture by microorganisms found in cranberry bogs.**

Gorder, G.W. Lichtenstein, E.P. Ottawa, National Research Council of Canada. Canadian journal of microbiology. = Journal canadien de microbiologie. Apr 1980. v. 26 (4). p. 475-481. ill. 15 ref. (NAL Call No.: 448.8 C162).

0588

**Developmental rate and longevity of Illinoia pepperi (Homoptera: Aphididae) on excised blueberry leaf disks.**

GRLEA. Elsner, E.A. Whalon, M.E. East Lansing, Mich. : Michigan Entomological Society. The Great Lakes entomologist. Winter 1985. v. 18 (4). p. 155-158. Includes references. (NAL Call No.: DNAL QL461.M5).

0589

**Disease and insect pests of small fruits.**

Drake, C.R. Yoder, K.S.; Pfeiffer, D.G.; Weaver, M.J. Blacksburg, Va. : Extension Division, Virginia Polytechnic Institute and State University. Publication - Virginia Cooperative Extension Service. In the series analytic: 1988-89 pest management guide for commercial small fruit production / coordinated by J.M. Luna. Jan 1988. (456-005, rev.). p. 1-6. (NAL Call No.: DNAL S544.3.V8V52).

0590

**Diseases and arthropod pests of blueberries.**  
Milholland, R.D. Meyer, J.R. Raleigh, N.C. : The Service. Bulletin - North Carolina Agricultural Research Service, North Carolina State University. June 1984. (468). 33 p. ill. Includes references. (NAL Call No.: DNAL 100 N81 (1)).

0591

**Early season control of insects in small fruits.**

Agnello, A. Batavia, N.Y. : Agricultural Div. of Coop Extension, Four Western Plain Counties, N.Y. State. Ag impact. Mar 1987. p. 5-6. ill. (NAL Call No.: DNAL S544.3.N7A45).

0592

**Economic injury level model for tarnished plant bug, Lygus lineolaris (Palisot de Beauvois) (Hemiptera: Miridae), in strawberry fields.**  
EVETEX. Mailloux, G. Bostanian, N.J. College Park, Md. : Entomological Society of America. Abstract: A 2-yr study revealed that the relationship between the density of tarnished plant bug (TPB), Lygus lineolaris (Palisot de Beauvois), per blossom cluster and the yield reduction of strawberries can be described by a nonlinear regression equation. Strawberry cv. Redcoat was found to have a carrying capacity of 0.90 TPB nymphs per blossom cluster. The economic injury level (EIL) was estimated to be at 0.95-0.99 TPB nymphs per blossom cluster when strawberry weight was considered. However, at the above EIL, 13% of the berries showed signs of TPB injury at harvest. Based on the percentage of uninjured berries at harvest, an action threshold of 0.26 nymphs per blossom cluster was determined. Environmental entomology. June 1988. v. 17 (3). p. 581-586. Includes references. (NAL Call No.: DNAL QL461.E532).

0593

**Effect of environmental factors on overwintering phenomena and spring migration of the plum curculio, Conotrachelus nenuphar (Coleoptera: Curculionidae).**

EVETEX. McGiffen, M.E. Jr. Meyer, J.R. College Park, Md. : Entomological Society of America. Environmental entomology. Aug 1986. v. 15 (4). p. 884-888. ill. Includes references. (NAL Call No.: DNAL QL461.E532).

0594

**Effect of Taxus foliage and extract on the toxicity of some pyrethroid insecticides to adult black vine weevil (Coleoptera: Curculionidae).**

JEENAI. Shanks, C.H. Jr. Chamberlain, J.D. Lanham, Md. : Entomological Society of America.

## (PESTS OF PLANTS - INSECTS)

The pyrethroid insecticides fenvalerate, permethrin, and fluvalinate were more toxic to adult black vine weevil; *Otiorhynchus sulcatus* (F.), on yew, *Taxus media* Rehder, foliage rather than on leaves of strawberry, *Fragaria X ananassa* Duchesne, or cranberry, *Vaccinium macrocarpon* Ait. Feeding weevils untreated yew foliage or an ethanolic extract of yew needles for 24 h before placing them on fenvalerate-treated strawberry leaves greatly increased knockdown. Host plant species must be considered when pyrethroids are used for control of adult black vine weevil. Journal of economic entomology. Feb 1988. v. 81 (1). p. 98-101. Includes references. (NAL Call No.: DNAL 421 J822).

0595

**Effect of volcanic ash on adult *Otiorhynchus (ovatus* and *Otiorhynchus sulcatus)* (Coleoptera: Curculionidae) (Blueberry pests, mortality, natural control, root weevils, Washington).**  
Shanks, C.H. Jr. Chase, D.L. Pullman, Washington State Entomological Society. Melanderia. 1981. v. 37. p. 63-66. 3 ref. (NAL Call No.: QL651.M4).

0596

**Effects of food, temperature, and breeding conditions on the life span of adults of three cohabitating bark beetle (Scolytidae) parasitoids (Hymenoptera).**  
EVETEX. Mendel, Z. College Park, Md. : Entomological Society of America. The study deals with the adult life span of three hymenopterous parasitoids of bark beetles (Scolytidae)--*Dendrosoter caenopachoides* Ruschka, D. protuberans Nees (Braconidae), and *Metacolus unifasciatus* Foerster (Pteromalidae)--investigated under three temperature and two nutrition treatments. Longevity decreased significantly with increasing temperature and absence of carbohydrate in the diet. Regardless of species, life span was about 2 mo with honey plus water at 18 degrees C compared with 20-30 d at 30 degrees C; with water only, the life span was 15-30 d at 18 degrees C and dropped to about 4-8 d at 30 degrees C. Longevity was significantly related to body length of males and females of all tested species when kept on water, but usually not when honey was available. Marked differences between longevities in the same species were attributed to breeding conditions (i.e., differences in host size of parasitoids reared from scolytids of different size). Ecological and silvicultural implications of the findings are discussed. It is suggested that an increase in tree species diversity in the stands might have diversified and increased food sources for adult parasitoids. Environmental entomology. Apr 1988. v. 17 (2). p. 293-298. Includes references. (NAL Call No.: DNAL QL461.E532).

0597

**Effects of pheromone trap design and placement on capture of almond moth, *Cadra cautella* (Lepidoptera: Pyralidae).**  
JEENAI. Ahmad, T.R. College Park, Md. : Entomological Society of America. Journal of economic entomology. Aug 1987. v. 80 (4). p. 897-900. Includes references. (NAL Call No.: DNAL 421 J822).

0598

**Entomology of rabbiteye blueberries, *Vaccinium ashei* Reade, in southeastern United States.**  
Payne, J.A. Horton, D.J.; Amis, A. Boulder : Westview Press, 1988. The Entomology of indigenous and naturalized systems in agriculture / edited by Marvin K. Harris and Charles E. Rogers. p. 99-124. maps. Includes references. (NAL Call No.: DNAL SB931.E57).

0599

**Establishment and maintenance of rabbiteye blueberries.**

MAEBB. Spiers, J.M. Braswell, J.H.; Hegwood, C.P. Jr. Mississippi State, Miss. : The Station. Bulletin - Mississippi Agricultural & Forestry Experiment Station. Nov 1985. (941). 12 p. ill. (NAL Call No.: DNAL S79.E3).

0600

**Extension based tree and small fruit insect pest management strategies (Numerous pests include Aphida, moth larvae, flies, mites, etc.).**

Leeper, J.R. Geneva, N.Y., The Station. New York's food and life sciences bulletin - New York State Agricultural Experiment Station, Geneva. 1981. 1981. (88). 19 p. (NAL Call No.: S95.E22).

0601

**Factors determining the effectiveness of insecticides.**

Fisher, G. Portland : The Society. Annual report - Oregon Horticultural Society. 1986. v. 77. p. 168-171. (NAL Call No.: DNAL 81 OR32).

0602

***Ficus* plant.**

Soowal, J. Washington, D.C. : The Office. United States patent. Plant - United States Patent and Trademark Office. Apr 22, 1986. (5,727). 2 p. plates. (NAL Call No.: DNAL 156.65 P69).

(PESTS OF PLANTS - INSECTS)

0603

**Field development of a synthetic sex pheromone for omnivorous looper *Sabulodes aegrotata*.**  
CAVYA. Bailey, J.B. Olsen, K.N.; McDonough, L.M. Saticoy, Calif. : The Society. Yearbook - California Avocado Society. 1986. v. 70. p. 147-150. Includes references. (NAL Call No.: DNAL 81 C128).

0604

**Field development of the sex pheromone for the western avocado leafroller, *Amorbia cuneana* (Biological control, California).**  
Bailey, J.B. Hoffman, M.P.; McDonough, L.M. Saticoy, Calif., The Society. Yearbook - California Avocado Society. 1981. v. 65. p. 143-145, 147-149, 151. Includes 2 ref. (NAL Call No.: 81 C128).

0605

**Field-testing the sex pheromone for *Amorbia cuneana* in avocados.**  
CAGRA. Bailey, J.B. Hoffmann, M.P.; McDonough, L.M.; Olsen, K.N. Berkeley, Calif. : The Station. California agriculture - California Agricultural Experiment Station. May/June 1988. v. 42 (3). p. 17-18. ill. (NAL Call No.: DNAL 100 C12CAG).

0606

**Fruit tips: Common blueberry insect pests and their control.**  
MUCBA. Elsner, E.A. Whalon, M.E. East Lansing, Mich. : The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. Oct 1985. (1863). 4 p. ill. (NAL Call No.: DNAL 275.29 M58B).

0607

**Fruit tips: Small fruit insect pests and their control: a home owner's perspective.**  
MUCBA. Mowry, T.M. Whalon, M.E. East Lansing, Mich. : The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. Oct 1985. (1864). 4 p. (NAL Call No.: DNAL 275.29 M58B).

0608

**Fumigation of avocado fruit with methyl bromide (for fruit fly, *Dacus dorsalis*, *Dacus cucurbitae*, and *Ceratitis capitata*).**  
Ito, P.J. Hamilton, R.A. Alexandria, Va., American Society for Horticultural Science. HortScience. Oct 1980. v. 15 (5). p. 593. 4 ref. (NAL Call No.: SB1.H6).

0609

**Grape, blackberry and strawberry insect and disease control--1982.**  
Barnes, G.L. Coppock, S.; Nesheim, G.N.; Campbell, R.E. Stillwater : The Service. OSU current report - Oklahoma State University, Cooperative Extension Service. Dec 1984. (6221,repr.). 3 p. (NAL Call No.: DNAL S451.0508).

0610

**Grape, blackberry and strawberry insect and disease control--1985.**  
Barnes, G.L. Coppock, S.; Criswell, J.T.; Maxson, J. Stillwater : The Service. OSU current report - Oklahoma State University, Cooperative Extension Service. Dec 1984. (6221). 4 p. (NAL Call No.: DNAL S451.0508).

0611

**Greenhouse thrips emerging as number one avocado pest.**  
CAVYA. Bekey, R. Saticoy, Calif. : The Society. Yearbook - California Avocado Society. 1986. v. 70. p. 99-102. (NAL Call No.: DNAL 81 C128).

0612

**Highbush blueberry production in Washington and Oregon (Cultivars, fertilization, propagation, pest management).**  
Doughty, C.C. Adams, E.B.; Martin, L.W. Corvallis, The Service. PNW - Oregon State University, Cooperative Extension Service. July 1981. July 1981. (215). 25 p. ill. Includes 8 ref. (NAL Call No.: 275.29 W27PN).

0613

**How to fight cranberry insects /by Henry J. Franklin.**  
Franklin, Henry J. 1883-1958. Amherst, Mass. : Massachusetts Agricultural Experiment Station, 1908. Cover title. 8 p. ; 23 cm. (NAL Call No.: DNAL 100 M38H (1) no.126).

0614

**Identification of germacrene D in walnut and fig leaf volatiles.**  
JAFCAU. Butterly, R.G. Flath, R.A.; Mon, T.R.; Ling, L.C. Washington, D.C. : American Chemical Society. Journal of agricultural and food chemistry. Sept/Oct 1986. v. 34 (5). p. 820-822. Includes references. (NAL Call No.: DNAL 381 J8223).

(PESTS OF PLANTS - INSECTS)

0615

**Impact of insecticides on *Illinoia pepperi* and its predators (Aphid vector of blueberry shoestring virus, USA).**

Whalon, M.E. Elsner, E.A. College Park, Md., Entomological Society of America. *Journal of economic entomology*. Apr 1982. v. 75 (2). p. 356-358. 5 ref. (NAL Call No.: 421 J822).

p. 374-380. Includes 10 references. (NAL Call No.: DNAL TP371.8.R284).

0616

**Infestation of carambolas by laboratory-reared Caribbean fruit flies (Diptera: Tephritidae): effects of fruit ripeness and cultivar.**

JEENAI. Howard, D.F. Kenney, P. College Park, Md. : Entomological Society of America. *Journal of economic entomology*. Apr 1987. v. 80 (2). p. 407-410. Includes references. (NAL Call No.: DNAL 421 J822).

0621

**Insect pests of the avocado and their control /D.O. Wolfenbarger.**

Wolfenbarger, D. O. Gainesville, Fla. : University of Florida Agricultural Experiment Station, 1958. Cover title. "A contribution from the Subtropical Experiment Station" -- T.p. 51 p. : ill. ; 23 cm. (NAL Call No.: DNAL 100 F66S (1) no.605).

0617

**Insect and disease control for home gardens: small fruits and berries.**

Byther, R.S. Antonelli, A.L.; Retan, A.H. Pullman, Wash. : The Service. Extension Bulletin - Washington State University, Cooperative Extension Service. June 1982. Revised from and replaces EM3435. June 1982. (1015). 4 p. (NAL Call No.: 275.29 W27P).

0622

**Insect prevention, or else.**

Jones, B.F. Fayetteville, Ark. : Arkansas State Horticultural Society. Proceedings of the ... annual meeting - Arkansas State Horticultural Society. 1984. (105th). p. 77. (NAL Call No.: DNAL SB21.A7A7).

0623

**Insects injurious in cranberry culture /by John B. Smith.**

Smith, John Bernhard, 1858-1912. Washington : U.S. Dept. of Agriculture, 1903. Cover title. 32 p. : ill. ; 23 cm. (NAL Call No.: DNAL 1 Ag84F no.178).

0618

**Insect and disease control for home gardens: small fruits, berries.**

WUEXA. Byther, R.S. Antonelli, A.L. Pullman, Wash. : The Service. Extension bulletin - Washington State University, Cooperative Extension Service. Mar 1988. (1015, rev.). 5 p. (NAL Call No.: DNAL 275.29 W27P).

0624

**Life cycle of *Coptodisca negligens* (Lepidoptera: Heliozelidae) on cranberry.**

JEENAI. Maier, C.T. College Park, Md. : Entomological Society of America. *Journal of economic entomology*. Apr 1988. v. 81 (2). p. 497-500. Includes references. (NAL Call No.: DNAL 421 J822).

0619

**Insect and disease control for home gardens: small fruits, berries.**

WUEXA. Byther, R.S. Antonelli, A.L.; Retan, A.H. Pullman, Wash. : The Service. Extension Bulletin - Washington State University, Cooperative Extension Service. Dec 1984. (1015, rev.). 4 p. (NAL Call No.: DNAL 275.29 W27P).

0625

**Looper, *amorbia* pose threat to growers (Avocado pests, biological control, in southern California).**

Toumey, J. Vista, Calif. : Rancher Pub. Avocado grower. May 1983. v. 7 (5). p. 16-19, 54. (NAL Call No.: SB379.A9A9).

0620

**Insect disinestation of packed dates by gamma-radiation.**

Ahmed, M.S.H. Hameed, A.A.; Kadhum, A.A.; Ali, S.R. Honolulu : Hawaii Institute of Tropical Agric. & Human Resources, Univ. of Hawaii, Manoa, 1985. Radiation disinestation of food and agricultural products : proceedings of an international conference, Honolulu, Hawaii, November 14-18, 1983 / edited by James H. Moy.

**Male olive fruit fly attraction to synthetic sex pheromone components in laboratory and field tests.**

JCECD. Mazomenos, B.E. Haniotakis, G.E. New York, N.Y. : Plenum Press. *Journal of chemical ecology*. Mar 1985. v. 11 (3). p. 397-405. Includes references. (NAL Call No.: DNAL QD415.A1J6).

(PESTS OF PLANTS - INSECTS)

0627

Managing insects in small fruits requires knowing their biology.

Agnello, A. Batavia, N.Y. : Agricultural Div. of Coop Extension, Four Western Plain Counties, N.Y. State. Ag impact. May 1987. v. 14 (5). p. 4. (NAL Call No.: DNAL S544.3.N7A45).

0628

Managing leafrollers on caneberries in Oregon.

Knight, A.L. LaLone, R.; Fisher, G.C.; Coop, L.B. Corvallis, Or. : The Service. Extension circular - Oregon State University, Extension Service. Jan 1988. (1263). 8 p. ill. (NAL Call No.: DNAL 275.29 OR32C).

0629

Methyl bromide fumigation as a quarantine treatment for latania scale, *Hemiberlesia lataniae* (Homoptera: Diaspididae) (Nursery stock, avocado fruit).

Witherell, P.C. Gainesville, Fla. : Florida Entomological Society. Florida entomologist. June 1984. v. 67 (2). p. 254-262. Includes references. (NAL Call No.: 420 F662).

0630

Mite and insect problems on small fruits (Insecticides Sevin and Furadan, miticide, Kelthane, Pacific Northwest).

La Lone, R. Fisher, G. Portland, Ore., The Society. Annual report - Oregon Horticultural Society. 1980. v. 71. p. 87-91. ill. (NAL Call No.: 81 OR32).

0631

A multichemical defense mechanism of bitter olive *Olea europaea* (Oleaceae)--Is oleuropein a phytoalexin precursor?

JCECD. Kubo, I. Matsumoto, A.; Takase, I. New York, N.Y. : Plenum Press. Journal of chemical ecology. Feb 1985. v. 11 (2). p. 251-263. ill. Includes references. (NAL Call No.: DNAL QD415.A1J6).

0632

New techniques draw interest (Integrated pest management, pick-your-own berry crops, New Jersey, Ohio).

Willoughby, Ohio : Meister Publishing Company. American fruit grower. Aug 1984. v. 104 (8). p. 11-12. ill. (NAL Call No.: 80 G85).

0633

Observations on *Megaphragma mymaripenne* Timberlake (Hymenoptera: Trichogrammatidae), an egg parasite of *Heliothrips haemorrhoidalis* Bouche (Thysanoptera: Thripidae).

PPETA9. Hessein, N.A. McMurtry, J.A. San Francisco, Calif. : Pacific Coast Entomological Society. The Pan-Pacific entomologist. July 1988. v. 64 (3). p. 250-254. Includes references. (NAL Call No.: DNAL 421 P193).

0634

The olive insects of California /by E.O. Essig. Essig, E. O. b. 1884. Berkeley, Cal. : Agricultural Experiment Station, 1917. Cover title. p. 43 -64 : ill. ; 23 cm. (NAL Call No.: DNAL 100 C12S no.283).

0635

Packinghouses downgrade avocados damaged by thrips.

Bailey, J.B. Vista, Calif. : Rancher Pub. Avocado grower. Oct 1984. v. 8 (10). p. 28, 30, 32-33, 40. ill. (NAL Call No.: DNAL SB379.A9A9).

0636

Parasitic nematode may control carpenterworm (*Prionoxystus robiniae*) in fig trees.

Lindegren, J.E. Yamashita, T.T.; Barnett, W.W. Berkeley, Calif., The Station. California agriculture - California Agricultural Experiment Station. Jan/Feb 1981. v. 35 (1/2). p. 25-26. ill. (NAL Call No.: 100 C12CAG).

0637

Pesticide experiments for California avocado IPM (Integrated Pest Management) Program (Looper, *Sabulodes aegrotata*, western avocado leafroller, *Amorbia cuneana*, *Heliothrips haemorrhoidalis*).

Bailey, J.B. Hoffmann, M.P. Saticoy, Calif., The Society. Yearbook - California Avocado Society. 1980. v. 64. p. 107, 109, 111, 113-116, 118-122. 2 ref. (NAL Call No.: 81 C128).

0638

Pheromones help conquer worm pests.

Bailey, J.B. Olsen, K.N.; McDonough, L.M. Vista, Calif. : Rancher Publications. California grower. Jan 1987. v. 11 (1). p. 34-35. ill. (NAL Call No.: DNAL SB379.A9A9).

(PESTS OF PLANTS - INSECTS)

0639

**Physiological responses of avocado leaves to avocado brown mite feeding injury (Oligonychus punicae).**

Sances, F.V. Toscano, N.C.; Hoffmann, M.P.; LaPre, L.F.; Johnson, M.W.; Bailey, J.B. College Park, Md., Entomological Society of America. Environmental entomology. Apr 15, 1982. v. 11 (2). p. 516-518. ill. Ref. (NAL Call No.: QL461.E532).

0640

**Plant spikes for commercial nurseries.**

CAGRA. Parrella, M.P. Smith, A.; Ferrentino, R.; Yost, J. Berkeley, Calif. : The Station. California agriculture - California Agricultural Experiment Station. Sept/Oct 1986. v. 40 (9/10). p. 6-7. ill. (NAL Call No.: DNAL 100 C12CAG).

0641

**Possible new race of *Amorbia cuneana* discovered in avocado.**

CAGRA. Bailey, J.B. Olsen, K.N.; McDonough, L.M.; Hoffmann, M.P. Berkeley, Calif. : The Station. California agriculture - California Agricultural Experiment Station. Sept/Oct 1988. v. 42 (5). p. 11-12. (NAL Call No.: DNAL 100 C12CAG).

0642

**Predators of fig wasps.**

BTROA. Bronstein, J.L. St. Louis, Mo. : Association for Tropical Biology. Biotropica. Sept 1988. v. 20 (3). p. 215-219. maps. Includes references. (NAL Call No.: DNAL QH301.B52).

0643

**Previously imported parasite may control invading whitefly (Tetraleurodes, *Cales noacki*, avocados, biological control, California).**  
Rose, M. Woolley, J.B. Berkeley : The Station. California agriculture - California Agricultural Experiment Station. Mar/Apr 1984. v. 38 (3/4). California ill. (NAL Call No.: 100 C12CAG).

0644

**Radioactive measurement of brown mite injury on avocados (Brown mite, *Oligonychus punicae*).**  
Sances, F.V. Toscano, N.C.; Hoffmann, M.P.; LaPre, L.F.; Johnson, M.W.; Bailey, J.B. Berkeley, Calif., The Station. California agriculture - California Agricultural Experiment Station. May/June 1982. v. 36 (5/6). p. 22-23. ill. (NAL Call No.: 100 C12CAG).

0645

**Radioactive study: researchers measure brown mite injury (*Oligonychus punicae*, in southern California avocado-growing areas).**

Sances, F.V. Toscano, N.C.; Hoffmann, M.P.; LaPre, L.F.; Johnson, M.W.; Bailey, J.B. Vista, Calif. : Rancher Pub. Avocado grower. Sept 1982. v. 6 (9). p. 46-47. ill. (NAL Call No.: SB379.A9A9).

0646

**The raspberry crown borer - and its control / (R.G. Rosenstiel).** -

Rosenstiel, R. G. Corvallis Agricultural Experiment Station, Oregon State University 1978. Integrated Pest Management/Pesticide Applicator Training Collection -Cover title. 1 folded sheet (6 p.) : ill. ; 23 cm. --. (NAL Call No.: 100 Dr3C no.615 1978).

0647

**The raspberry fruit worm /by B.H. Walden.**

Walden, Benjamin Hovey. New Haven : Connecticut Agricultural Experiment Station, 1923. Caption title. p. 91 -99, 4 p. of plates : ill. ; 23 cm. Bibliography: p. 99. (NAL Call No.: DNAL 100 C76St (1) no.251).

0648

**Raspberry pest control for home gardeners.**

Mahr, D. L. Binning, L. K.; Boone, D. M. & Urban phytonarian series. Document available from: University of Wisconsin, Agricultural Bulletin Building, 1535 Observatory Drive, Madison, Wisconsin 53706 1983. Provides information to help produce red and black raspberries. Includes spraying guides. 4 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: A2128).

0649

**Raspberry pest control for home gardeners (Diseases, insects, weeds).**

Mahr, D.L. Binning, L.K.; Boone, D.M. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. 1983. 1983. (A2128). 4 p. (NAL Call No.: S544.3.W6W53).

0650

**Research shows: nature begins to wipe out two major avocado pests (omnivorous looper, western avocado leaf roller, biological control).**  
Vista, Calif., Rancher Publications. Avocado grower. July 1980. v. 4 (7). p. 26-28, 53. (NAL Call No.: SB379.A9A9).

## (PESTS OF PLANTS - INSECTS)

0651

**A review of pest control in avocados.**  
Gustafson, C.D. Saticoy, Calif., The Society.  
Yearbook - California Avocado Society. 1979.  
1979. p. 58-60, 62-65. (NAL Call No.: 81 C128).

0652

**Root weevils on berry crops.**  
WUEXA. Shanks, C.H. Jr. Pullman, Wash. : The Service. Extension bulletin - Washington State University, Cooperative Extension Service. In subseries: Insect Answers. AGL. Oct 1988. (0965, rev.). 3 p. ill. (NAL Call No.: DNAL 275.29 W27P).

0653

**Root weevils on berry crops (Otiorhynchus ovatus, Otiorhynchus rugosotriatus, Otiorhynchus sulcatus, chemical control).**  
Shanks, C.H. Pullman, Wash., The Service. Extension bulletin - Washington State University, Cooperative Extension Service. Oct 1981. Oct 1981. (965). 3 p. ill. (NAL Call No.: 275.29 W27P).

0654

**Sabulodes caberata** Guenée (Lepidoptera: Geometridae): components of its sex pheromone gland.  
JCECD. McDonough, L.M. Bailey, J.B.; Hoffman, M.P.; Leonhardt, B.A.; Brown, D.F.; Smithisler, C.L.; Olsen, K. New York, N.Y. : Plenum Press. Journal of chemical ecology. Dec 1986. v. 12 (12). p. 2107-2116. Includes references. (NAL Call No.: DNAL QD415.A1J6).

0655

**Saturation spraying of blueberries with partial spray recovery (for blueberry bud mite (Acalitus vaccinii, Keifer) control).**  
Beasley, E.O.TAAEA. Rohrbach, R.P.; Mainland, C.M.; Meyer, J.R. St. Joseph : The Society. Transactions of the ASAE - American Society of Agricultural Engineers. May/June 1983. v. 26 (3). p. 732-736. ill. Includes references. (NAL Call No.: 290.9 AM32T).

0656

**A sesiid host record for Pterocormus chasmodes (Hymenoptera: Ichneumonidae).**  
PESWA. Pavuk, D.M. Williams, R.N. Washington, D.C. : The Society. Proceedings of the Entomological Society of Washington. Jan 1988. v. 90 (1). p. 105. (NAL Call No.: DNAL 420 W27).

0657

**Sex attractant for currant clearwing moth *Synanthedon tipuliformis* (Clerck) (Lepidoptera:Sesiidae) (Chemical structures).**  
Voerman, S. Persoons, C.J.; Priesner, E. New York, N.Y. : Plenum Press. Journal of chemical ecology. Sept 1984. v. 10 (9). p. 1371-1376. ill. Includes references. (NAL Call No.: QD415.A1J6).

0658

**Sex pheromone of blackheaded fireworm, *Rhopobota naevana* (Lepidoptera: Tortricidae), a pest of cranberry.**  
JCECD. Slessor, K.N. Raine, J.; King, G.G.S.; Clements, S.J.; Allan, S.A. New York, N.Y. : Plenum Press. Journal of chemical ecology. May 1987. v. 13 (5). p. 1163-1170. Includes references. (NAL Call No.: DNAL QD415.A1J6).

0659

**Sex-specific activity of (R)-(-)- and (S)- (+)-1,7-dioxaspiro 5.5 undecane, the major pheromone of *Dacus oleae*.**  
JCECD. Haniotakis, G. Francke, W.; Mori, K.; Redlich, H.; Schurig, V. New York, N.Y. : Plenum Press. Journal of chemical ecology. June 1986. v. 12 (6). p. 1559-1568. Includes references. (NAL Call No.: DNAL QD415.A1J6).

0660

**Significance of nutritive cell in insect galls.**  
PESWA. Shorthouse, J.D. Washington, D.C. : The Society. Proceedings of the Entomological Society of Washington. Paper presented at the "Symposium on Insect-Caused Galls," Dec. 11, 1985, Hollywood, Florida. Apr 1986. v. 88 (22). p. 368-375. ill. Includes references. (NAL Call No.: DNAL 420 W27).

0661

**Small fruit pests: biology, diagnosis and management.**

WUEXA. Antonelli, A.L. Shanks, C.H. Jr.; Fisher, G.C. Pullman, Wash. : The Service. Extension bulletin - Washington State University, Cooperative Extension Service. Feb 1988. (1388). 20 p. ill. (NAL Call No.: DNAL 275.29 W27P).

0662

**The snowy tree cricket and other insects injurious to raspberries /Leslie M. Smith.**  
Smith, Leslie M. 1903-. Berkeley, Cal. : Agricultural Experiment Station, 1930. Cover title. 38 p. : ill. ; 24 cm. (NAL Call No.: DNAL 100 C12S no.505).

(PESTS OF PLANTS - INSECTS)

0663

A study of *Neoscona oaxacensis* (Araneae: Araneidae) in commercial avocado orchards in San Diego County, California (Control of insect pests).

Pascoe, F.H. Saticoy, Calif., The Society. Yearbook - California Avocado Society. 1980. v. 64. p. 153-156, 158-186. ill. Bibliography p. 182-183. (NAL Call No.: 81 C128).

0664

A summary of experiments for control of sap beetles which attack fruit crops.

DARCB. Williams, R.N. Weiss, M.J.; Miller, K.V.; Werner, J.J. Wooster, Ohio : The Center. Research circular - Ohio Agricultural Research and Development Center. Aug 1984. (283). p. 66-68. Includes 4 references. (NAL Call No.: DNAL 100 OH3R).

0665

Suppression of raspberry crown borer, *Pennisetia marginata* (Harris) (Lepidoptera: Sesiidae) with soil applications of *Steinernema fetiae* (Rhabditida: Steinernematidae).

JIVPA. Capinera, J.L. Cranshaw, W.S.; Hughes, H.G. Duluth, Minn. : Academic Press. Journal of invertebrate pathology. Sept 1986. v. 48 (2). p. 257-258. (NAL Call No.: DNAL 421 J826).

0666

USDA bans import of Hawaiian avocados (due to Oriental fruit fly infestation).

Vista, Calif., Rancher Publications. Avocado grower. Oct 1980. v. 4 (10). p. 9. (NAL Call No.: SB379.A9A9).

0667

Western avocado leafroller, *Amorbia cuneana* (Walsingham), (Lepidoptera: Tortricidae): Discovery of populations utilizing different ratios of sex pheromone components.

JCECD. Bailey, J.B. McDonough, L.M.; Hoffmann, M.P. New York, N.Y. : Plenum Press. Journal of chemical ecology. June 1986. v. 12 (6). p. 1239-1245. Includes references. (NAL Call No.: DNAL QD415.A1J6).

0668

1979 Cranberry insect and disease control program (Insecticides, fungicides).

Shawa, A.Y. WA. Shanks, C.; Bristow, P.R. Pullman, Wash., The Service. EM - Cooperative Extension Service, Washington State University. Washington State University. Cooperative Extension Service. July 1979. July 1979. (2463). 5 p. ill. (NAL Call No.: 275.29 W27MI).

0669

1981 cranberry insect and disease control program (Pesticides, toxicity, injuries).

Shawa, A.Y. Shanks, C.; Bristow, P.R. Pullman, Wash., The Service. Extension bulletin - Washington State University, Cooperative Extension Service. Mar 1981. Mar 1981. (2463). 4 p. (NAL Call No.: 275.29 W27P).

0670

1982-83 cranberry insect and disease control program (Mainly pesticides guidelines, Washington).

Shawa, A.Y. WUEXA. Shanks, C.; Bristow, P.R. Pullman : The Service. Extension Bulletin - Washington State University, Cooperative Extension Service. Oct 1982. Oct 1982. (0845 rev.). p. 4. (NAL Call No.: 275.29 W27P).

0671

1988 cranberry insect and disease control program.

WUEXA. Shawa, A.Y. Shanks, C.; Bristow, P.R. Pullman, Wash. : The Service. Extension bulletin - Washington State University, Cooperative Extension Service. Jan 1988. (0845, rev.). 4 p. (NAL Call No.: DNAL 275.29 W27P).

0672

1988 small fruits. Insect, disease, and weed control recommendations.

McVay, J.R. Gazaway, W.S.; Patterson, M.G. Auburn, Ala. : The Service. Circular ANR - Cooperative Extension Service, Auburn University. In subseries: Integrated Pest Management. Nov 1987. (478). 16 p. (NAL Call No.: DNAL S544.3.A2C47).

# PESTS OF PLANTS - NEMATODES

0673

**Cranberry pest control : the cranberry girdler / Sherri L. Roberts and Daniel L. Mahr.** - .  
Roberts, Sherri L. Madison, Wis. University of Wisconsin-Extension (1982?). (2) p. : col. ill. ; 28 cm. (NAL Call No.: MLCM 84/382).

0674

**Effect of nematicide and herbicide treatments on *Pratylenchus penetrans* associated with blueberry, 1982 (Root-lesion nematode, *Vaccinium corymbosum*).**  
Elliott, A.FNETD. Rogers, N.; Garber, S.; Kenley, C.; Harris, C. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 2. (NAL Call No.: 464.9 AM31R).

0675

**Effects of *Heterodera fici* on the growth of commercial fig seedlings in pots (*Ficus carica*).**  
Di Vito, M. Inserra, R.N. Ames, Iowa, Society of Nematologists. Journal of nematology. July 1982. v. 14 (3). p. 416-418. 9 ref. (NAL Call No.: QL391.N4J62).

0676

**Insect pests of the avocado and their control / D.O. Wolfenbarger.**  
Wolfenbarger, D. D. Gainesville, Fla. : University of Florida Agricultural Experiment Station, 1958. Cover title. - "A contribution from the Subtropical Experiment Station" -- T.p. 51 p. : ill. ; 23 cm. (NAL Call No.: DNAL 100 F66S (1) no.605).

0677

**Nematode control.**  
MUCBA. Bird, G.W. East Lansing, Mich. : The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. Dec 1986. (E-154). p. 80-83. (NAL Call No.: DNAL 275.29 M58B).

0678

**Nematode control in small fruits.**  
Yoder, K.S. Drake, C.R. Blacksburg, Va. : Extension Division, Virginia Polytechnic Institute and State University. Publication - Virginia Cooperative Extension Service. In the series analytic: 1988-89 pest management guide for commercial small fruit production / coordinated by J.M. Luna. Jan 1988. (456-005, rev.). p. 7-8. (NAL Call No.: DNAL S544.3.V8V52).

0679

**Raspberry ringspot and associated diseases of Rubus caused by raspberry ringspot and tomato black ring viruses.**  
XAAHA. Murant, A.F. Washington, D.C. : The Department. Agriculture handbook - United States Department of Agriculture, Combined Forest Pest Research and Development Program. Aug 1987. (631). p. 211-220. ill. (NAL Call No.: DNAL 1 AG84AH).

# PLANT DISEASES - GENERAL

0680

## **Avocado diseases /by H.E. Stevens.**

Stevens, H. E. 1880-. Gainesville, Fla. : University of Florida Agricultural Experiment Station, 1922. Cover title. 23 p. : ill. ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 100 F66S (1) no. 161).

0681

## **Blueberries.**

MUCBA. East Lansing, Mich. : The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. Dec 1986. (E-154). p. 66-70. (NAL Call No.: DNAL 275.29 M58B).

0682

## **Bramble commercial pest control recommendations. I.**

Goulart, B. Race, S.; Meade, J.; Springer, J. New Brunswick, N.J. : The Service. FS - Cooperative Extension Service, Cook College. 1987. (251). 2 p. (NAL Call No.: DNAL S544.3.N5F7).

0683

## **Bramble commercial pest control recommendations. II.**

Goulart, B. Race, S.; Meade, J.; Springer, J. New Brunswick, N.J. : The Service. FS - Cooperative Extension Service, Cook College. 1987. (252). 2 p. (NAL Call No.: DNAL S544.3.N5F7).

0684

## **Brambles.**

MUCBA. East Lansing, Mich. : The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. Dec 1986. (E-154). p. 62-64. (NAL Call No.: DNAL 275.29 M58B).

0685

## **Controlling diseases of raspberries and blackberries.**

USDA. Washington, D.C., The Department. Farmers' bulletin - United States Department of Agriculture. Sept 1980. Sept 1980. (2208). 17 p. ill. (NAL Call No.: 1 AG84F).

0686

**Controlling diseases of raspberries and blackberries /information for this publication was furnished by the Crops Research Division, Agricultural Research Service.**

Washington, D.C. : U.S. Dept. of Agriculture, 1965. "This bulletin supersedes Farmers' bulletin 1488.". 16 p. : ill. ; 23 cm. (NAL Call No.: DNAL 1 Ag84F no. 2208).

0687

## **Cranberry insect and disease control program, 1985.**

WUEXA. Shawa, A.Y. Shanks, C. Bristow, P.R. Pullman, Wash. : The Service. Extension Bulletin - Washington State University, Cooperative Extension Service. Mar 1985. (1845, rev.). 4 p. (NAL Call No.: DNAL 275.29 W27P).

0688

## **Disease and insect pests of small fruits.**

Drake, C.R. Yoder, K.S.; Pfeiffer, D.G.; Weaver, M.J. Blacksburg, Va. : Extension Division, Virginia Polytechnic Institute and State University. Publication - Virginia Cooperative Extension Service. In the series analytic: 1988-89 pest management guide for commercial small fruit production / coordinated by J.M. Luna. Jan 1988. (456-005, rev.). p. 1-6. (NAL Call No.: DNAL S544.3.V8V52).

0689

## **Disease control in the home fruit planting.**

Pecknold, Paul C. Document avai University, Publication Mailing Room, 301 South Second Street, Lafayette, Indiana 47905 1976. Gives tables for spraying for apples, pears, strawberries, raspberries and grapes. 6 p. : ill. (NAL Call No.: Document available from source.). (NAL Call No.: BP-3-1).

0690

## **Diseases and arthropod pests of blueberries.**

Milholland, R.D. Meyer, J.R. Raleigh, N.C. : The Service. Bulletin - North Carolina Agricultural Research Service, North Carolina State University. June 1984. (468). 33 p. ill. Includes references. (NAL Call No.: DNAL 100 N81 (1)).

0691

## **Disorders in apricot and papaya shipments to the New York market 1972-1985.**

PLDIDE. Capellini, R.A. Ceponis, M.J.; Lightner, G.W. St. Paul, Minn. : American Phytopathological Society. Plant disease. Apr 1988. v. 72 (4). p. 366-368. Includes

(PLANT DISEASES - GENERAL)

references. (NAL Call No.: DNAL 1.9 P69P).

0692

**Establishment and maintenance of rabbiteye blueberries.**

MAEBB. Spiers, J.M. Braswell, J.H.; Hegwood, C.P. Jr. Mississippi State, Miss. : The Station. Bulletin - Mississippi Agricultural & Forestry Experiment Station. Nov 1985. (941). 12 p. ill. (NAL Call No.: DNAL S79.E3).

0693

**Grape, blackberry and strawberry insect and disease control--1985.**

Barnes, G.L. Coppock, S.; Criswell, J.T.; Maxson, J. Stillwater : The Service. OSU current report - Oklahoma State University, Cooperative Extension Service. Dec 1984. (6221). 4 p. (NAL Call No.: DNAL S451.0508).

0694

**Highbush blueberry diseases.**

Ramsdell, D.C. Fayetteville, Ark. : Arkansas State Horticultural Society. Proceedings of the ... annual meeting - Arkansas State Horticultural Society. Paper presented at the "106th Annual Meeting of the Arkansas State Horticultural Society," November 13 and 14, 1985, Fort Smith, Arkansas. 1985. (106). p. 176-183. (NAL Call No.: DNAL SB21.A7A7).

0695

**Insect and disease control for home gardens: small fruits, berries.**

WUEXA. Byther, R.S. Antonelli, A.L. Pullman, Wash. : The Service. Extension bulletin - Washington State University, Cooperative Extension Service. Mar 1988. (1015,rev.). 5 p. (NAL Call No.: DNAL 275.29 W27P).

0696

**Insect and disease control for home gardens: small fruits, berries.**

WUEXA. Byther, R.S. Antonelli, A.L.; Retan, A.H. Pullman, Wash. : The Service. Extension Bulletin - Washington State University, Cooperative Extension Service. Dec 1984. (1015,rev.). 4 p. (NAL Call No.: DNAL 275.29 W27P).

0697

**Market diseases of fruits and vegetables grapes and other small fruits /by Dean H. Rose, C.O. Bratley, and W.T. Pentzer.**

Rose, Dean H. 1878-1963. Bratley, C. O. 1903-1948.; Pentzer, W. T. 1901-. Washington, D.C. : U.S. Dept. of Agriculture, 1939. Cover title. ~ "July 1939." 27 p., 10 leaves of col. plates ; 23 cm. Bibliography: p. 24-26. (NAL Call No.: DNAL 1 Ag84M no. 340).

0698

**Market diseases of grapes and other small fruits /by John M. Harvey and W.T. Pentzer.**

Harvey, John M., 1921-. Pentzer, W. T. 1901-. Washington, D.C. : U.S. Dept. of Agriculture, Agricultural Marketing Service, Market Quality Research Division, 1960. "Revision of and supersedes Miscellaneous publication 340, "Market diseases of fruits and vegetables: grapes and other small fruits" by D.H. Rose.~ Bibliography: p. 28-37. iii, 37 p., 10 p. of plates : col. ill. ; 24 cm. (NAL Call No.: DNAL 1 Ag84Ah no. 189).

0699

**Raspberries in the home garden.**

Goulart, B.L. Pavlis, G.C. New Brunswick, N.J. : The Service. FS - Cooperative Extension Service, Cook College. 1987. (214). 5 p. ill. (NAL Call No.: DNAL S544.3.N5F7).

0700

**Raspberry disease, and suggestions for overcoming it.**

New Brunswick, N.J. : New Jersey Agricultural Experiment Station, 1880 (1916). Caption title. p. 7-8 ; 23 cm. (NAL Call No.: DNAL 100 N46S (1) no.2).

0701

**Raspberry pest control for home gardeners (Diseases, insects, weeds).**

Mahr, D.L. Binning, L.K.; Boone, D.M. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. 1983. 1983. (A2128). 4 p. (NAL Call No.: S544.3.W6W53).

0702

**Raspberry pest control for home gardeners (Fungicides, insecticides, herbicides).**

Koval, C.F. WI. Binning, L.K.; Boone, D.M. Madison, Wis., The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. Wisconsin. University. Cooperative Extension Programs. Jan 1980. Jan 1980. (A2128). 2 p. (NAL Call No.:

(PLANT DISEASES - GENERAL)

S544.3.W6W53).

0703

**Small fruit diseases and their control /by A.W. Helton.**

Helton, A. W. Moscow, Idaho : University of Idaho, College of Agriculture, 1954. 42 p. : ill. ; 23 cm. (NAL Call No.: DNAL 100 ID14 no.219).

0704

**1982-83 cranberry insect and disease control program (Mainly pesticides guidelines, Washington).**

Shawa, A.Y.WUEXA. Shanks, C.; Bristow, P.R. Pullman : The Service. Extension Bulletin - Washington State University, Cooperative Extension Service. Oct 1982. Oct 1982. (0845 rev.). p. 4. (NAL Call No.: 275.29 W27P).

0705

**1988 cranberry insect and disease control program.**

WUEXA. Shawa, A.Y. Shanks, C.; Bristow, P.R. Pullman, Wash. : The Service. Extension bulletin - Washington State University, Cooperative Extension Service. Jan 1988. (0845, rev.). 4 p. (NAL Call No.: DNAL 275.29 W27P).

0706

**1988 small fruits. Insect, disease, and weed control recommendations.**

McVay, J.R. Gazaway, W.S.; Patterson, M.G. Auburn, Ala. : The Service. Circular ANR - Cooperative Extension Service, Auburn University. In subseries: Integrated Pest Management. Nov 1987. (478). 16 p. (NAL Call No.: DNAL S544.3.A2C47).

# PLANT DISEASES - FUNGAL

0707

**Analysis of an effective antibiotic (chaetomacin) isolated from a thermophilic *Bacillus* sp. against olive green mold (In mushroom beds).**  
Tautorus, T.E. Townsley, P.M. Washington, D.C. : American Society for Microbiology. Applied and environmental microbiology. Apr 1984. v. 47 (4). p. 775-779. ill. Includes references. (NAL Call No.: 448.3 AP5).

0708

**Anthracnose and berry disease of coffee in Puerto Rico.**  
JAUPA. Mignucci, J.S. Hepperly, P.R.; Ballester, J.; Rodriguez-Santiago, C. Mayaguez : University of Puerto Rico, Agricultural Experiment Station. The Journal of agriculture of the University of Puerto Rico. Jan 1985. v. 69 (1). p. 107-117. Includes references. (NAL Call No.: DNAL 8 P832J).

0709

**Anthracnose and gray bark of red raspberries identification and control /by H.W. Anderson and K.J. Kadow.**  
Anderson, H. W. 1885-. Kadow, K. J. 1908-. Urbana, Ill. : University of Illinois Agricultural Experiment Station, 1932. Cover title. p. 281 -292 : ill. ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 100 I16S no.383).

0710

**Anthracnose of cane fruits and its control on black raspberries in Wisconsin /Leon K. Jones.**  
Jones, Leon K. 1895-. Madison, Wis. : Agricultural Experiment Station of the University of Wisconsin, 1924. Cover title. 26 p., 4 p. of plates : ill. ; 23 cm. Bibliography: p. 25-26. (NAL Call No.: DNAL 100 W75 (2) no.59).

0711

**Avocado black streak.**  
CAVYA. Ohr, H.D. Murphy, M.K. Saticoy, Calif. : The Society. Yearbook - California Avocado Society. 1985. v. 69. p. 97-100. (NAL Call No.: DNAL 81 C128).

0712

**Avocado research: a progress report.**  
Bender, G. Fallbrook, Calif. : Rancher Publications. California grower. July 1988. 3b v. 12 (7). p. 21-22, 25. ill. (NAL Call No.: DNAL SB379.A9A9).

0713

**Avocado stem injection of fosetyl-ai for control of *Phytophthora* root rot.**  
McMillan, R.T. Jr. Tepper, B. s.l. : The Society. Proceedings of the ... annual meeting of the Florida State Horticulture Society. 1986. v. 98. p. 143-144. Includes references. (NAL Call No.: DNAL SB319.2.F6F56).

0714

**Black currant spreads white-pine blister rust /by Samuel B. Detwiler.**  
Detwiler, Samuel B. 1881-. Washington, D.C. : U.S. Dept. of Agriculture, 1930. Caption title. "Issued July, 1928." 8 p. : ill. ; 23 cm. (NAL Call No.: DNAL 1 Ag84M no.27).

0715

**California avocado diseases.**  
Bekey, R. Fallbrook, Calif. : Rancher Publications. California grower. July 1987. v. 11 (7). p. 18-21. ill. (NAL Call No.: DNAL SB379.A9A9).

0716

**Can interplanting citrus control *Phytophthora cinnamomi* disease? (California avocado).**  
Borst, G. Vista, Calif. : Rancher Pub. Avocado grower. Apr 1982. v. 6 (4). p. 27-28. ill. Includes references. (NAL Call No.: SB379.A9A9).

0717

**Chemical and mechanical methods of ribes eradication in the white pine areas of the western states /by H.R. Offord, G.R. Van Atta, and H.E. Swanson.**  
Offord, H. R. 1903-. Van Atta, G. R. 1899-; Swanson, H. E. 1903-. Washington : U.S. Dept. of Agriculture, 1940. Cover title. 50 p., 11 p. of plates : ill., maps ; 23 cm. Literature cited: p. 48-49. (NAL Call No.: DNAL 1 Ag84Te no.692).

0718

**Chemical control of *Phytophthora cinnamomi* on avocado rootstocks.**  
Goffey, M.D. Ohr, H.D.; Campbell, S.D.; Guillemet, F.B. St. Paul, Minn. : American Phytopathological Society. Plant disease. Nov 1984. v. 68 (11). p. 956-958. Includes 12 references. (NAL Call No.: 1.9 P69P).

(PLANT DISEASES - FUNGAL)

0719

Chemical structure-activity relationships of the inhibition of sterol biosynthesis by N-substituted morpholines in higher plants. PCBPB. Rahier, A. Schmitt, P.; Huss, B.; Benveniste, P.; Pommer, E.H. Duluth, Minn. : Academic Press. Pesticide biochemistry and physiology. Feb 1986. v. 25 (1). p. 112-124. Includes references. (NAL Call No.: DNAL SB951.P49).

0720

Citricola is spreading, these researchers say. Coffey, M. Ohr, H. Vista, Calif. : Rancher Pub. California grower. July 1986. v. 10 (7). p. 8. ill. (NAL Call No.: DNAL SB379.A9A9).

0721

Coffee berry disease control, 1980 (Coffee (*Coffee arabica* 'Bourbon')), coffee berry disease; anthracnose; *Colletotrichum gloeosporioides*). Mignucci, J.S. Hepperly, P.R. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 54. (NAL Call No.: 464.9 AM31R).

0722

Control of *Alternaria* fruit rot with fungicidal sprays, 1979 (Blueberry, highbush (*Vaccinium corymbosum* L. 'Jersey')), *Alternaria* fruit rot; *Alternaria* spp.). Hartung, J.S. Ramsdell, D.C.; Burton, C.L. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 38-39. (NAL Call No.: 464.9 AM31R).

0723

Control of blueberry postharvest decays with heated and unheated dips, 1979 (Blueberry, highbush (*Vaccinium corymbosum* L., 'Jersey')), *Alternaria* fruit rot; *Alternaria* sp., gray mold rot; *Botrytis cinerea*). Burton, C.L. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 43. (NAL Call No.: 464.9 AM31R).

0724

Control of cranberry fruit rots by spraying /by R.B. Wilcox and H.F. Bergman. Wilcox, R. B. 1889-1949. Bergman, H. F. 1883-. Washington, D.C. : U.S. Dept. of Agriculture. 1945. Caption title. 6 p. : ill. ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 1 Ag84C no.723).

0725

Control of cranberry twig blight with fungicides, 1978 (Cranberry (*Vaccinium macrocarpon* Ait., 'McFarlin'), twig blight; *Lophodermium hypophyllum* and *Lophodermium oxycocci*). Moore, B.J. Bristow, P.R. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 44. (NAL Call No.: 464.9 AM31R).

0726

The control of *dothiorella* rot on avocado fruits /W.T. Horne and D.F. Palmer. Horne, W. T. 1876-. Palmer, D. F. 1899-. Berkeley, Cal. : Agricultural Experiment Station, 1935. Cover title. ~ "Paper No. 320, University of California Citrus Experiment Station and Graduate School of Tropical Agriculture, Riverside, California.". 16 p. : ill. ; 24 cm. (NAL Call No.: DNAL 100 C12S no.594).

0727

Control of postharvest decays (caused by fungi) of blueberry fruits by precooling, fungicide, and modified atmospheres (Storage). Ceponis, M.J. SEA-AR-NE. Cappellini, R.A. Beltsville, Md., The Administration. Plant disease reporter. United States. Dept. of Agriculture. Science and Education Administration. Dec 1979. v. 63 (12). p. 1049-1053. ill. 14 ref. (NAL Call No.: 1.9 P69P).

0728

Control of primary inoculum for *Botrytis* blossom and stem blight of lowbush blueberries, 1979 (Blueberry, lowbush (*Vaccinium myrtilloides* Ait. and *Vaccinium angustifolium* Michx.), *Botrytis* blossom and stem blight; *Botrytis cinerea* Persoon). Johnson, S.B. Leach, S.S. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 43. (NAL Call No.: 464.9 AM31R).

0729

Controlling root rot by injection: South Africa can do it, why can't we?. Coffey, M. Fallbrook, Calif. : Rancher Publications. California grower. Sept 1987. v. 11 (9). p. 14-15, 38. ill. (NAL Call No.: DNAL SB379.A9A9).

(PLANT DISEASES - FUNGAL)

0730

Cranberry diseases and their control /C.L. Shear.

Shear, C. L. 1865-1956. Washington, D.C. : U.S. Dept. of Agriculture, 1920. "Contribution from the Bureau of Plant Industry.". 22 p. : ill. ; 23 cm. (NAL Call No.: DNAL 1 Ag84F no. 1081).

0731

Cranberry pest control--end rot of cranberry: *Godronia cassandrae* Peck (*Fusicoccum putrefaciens* Shear - imperfect stage) (Fungi, storage diseases).

Boone, D.M. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. 1982. 1982. (A3196). 2 p. ill. (NAL Call No.: S544.3.W6W53).

0732

Cranberry pest control: black rot of cranberry--*Ceuthospora lunata* Shear and *Strassaria oxycocci* Shear (Fungi, storage diseases).

Boone, D.M. Schwarz, M.R. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. 1982. 1982. (A3197). 2 p. ill. (NAL Call No.: S544.3.W6W53).

0733

Cranberry pest control: Gibbera leaf spot and berry speckle of cranberry--*Gibbera myrtilli* (Cooke) Petrak (Fungi, Wisconsin).

Boone, D.M. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. 1982. 1982. (A3193). 2 p. ill. (NAL Call No.: S544.3.W6W53).

0734

Cranberry pest control: hard rot and tip blight of cranberry--*Monilinia oxycocci* (Wor.) Honey (*Sclerotinia oxycocci* Wor.) (Fungi).

Boone, D.M. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. 1982. 1982. (A3194). 2 p. ill. (NAL Call No.: S544.3.W6W53).

0735

Cranberry pest control: viscid rot and upright dieback of cranberry--*Diaporthe vaccinii* Shear (*Phomopsis vaccinii* Shear imperfect stage) (Fungi, storage diseases).

Boone, D.M. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. 1982. 1982. (A3195). 2 p. ill. (NAL Call No.: S544.3.W6W53).

0736

Currants and gooseberries their culture and relation to white-pine blister rust /by George M. Darrow and S.B. Detwiler.

Darrow, George M. 1889-. Detwiler, Samuel B. 1881-. Washington, D.C. : U.S. Dept. of Agriculture, 1934. Originally issued Aug. 1924. ~ "This bulletin is a revision of and supersedes Farmers' bulletin 1024.". 42 p. : ill., 2 maps ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 1 Ag84F no. 1398 1934).

0737

\*Days between final spray and harvest.

MUCBA. East Lansing, Mich. : The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. Dec 1986. (E-154). p. 96-97. (NAL Call No.: DNAL 275.29 M58B).

0738

Development of integrated management plans (Blister rust, *Ribes*, pines).

McDonald, G.I. Fort Collins, Colo., The Station. Proceedings of the ... annual Western International Forest Disease Work Conference - United States Forest Service Rocky Mountain Forest and Range Experiment Station. 1979. 1979. (27th). p. 67-71. ill. 3 ref. (NAL Call No.: aSD118.W4).

0739

Ecology of the Sierra Nevada gooseberry in relation to blister rust control /Clarence R. Quick.

Quick, Clarence R., 1902-. Washington : U.S. Dept. of Agriculture, 1954. Cover title. 30 p. : ill. ; 23 cm. Bibliography: p. 29-30. (NAL Call No.: DNAL 1 Ag84C no. 937).

0740

Effect of CO<sub>2</sub> (carbon dioxide) atmospheres on postharvest decay (*Botrytis*, *Alternaria*, or *Gloeosporium*) incidence of blueberry fruits.

Goodwine, W.R. Ceponis, M.J.; Cappellini, R.A. St. Paul, Minn., American Phytopathological Society. *Phytopathology*. Feb 1981. Abstract only. v. 71 (2). p. 220. (NAL Call No.: 464.8 P56).

0741

Effect of morphactin on the storage behaviour of guava fruits (Postharvest decay control, *Gloeosporium psidii*, *Pestalotia psidii*).

Gupta, V.K. Mukherjee, D. Mount Vernon, Va., The Society. *Journal of the American Society for Horticultural Science*. American Society for

(PLANT DISEASES - FUNGAL)

Horticultural Science. Jan 1980. v. 105 (1). p. 115-119. ill. 33 ref. (NAL Call No.: 81 S012).

0742

Effect of row width on spray penetration, spur blight incidence, and yield of Heritage red raspberry (*Rubus idaeus*, *Didymella applanata*). Ellis, M.A. Williams, R.N.; Krueger, H.R. St. Paul, Minn., American Phytopathological Society. Plant disease. Oct 1982. v. 66 (10). p. 920-922. 4 ref. (NAL Call No.: 1.9 P69P).

0743

The effect of temperature on growth and pathogenesis of *Phytophthora cinnamomi* and on growth of its avocado host. Zentmyer, G.A. St. Paul, Minn., American Phytopathological Society. Phytopathology. Sept 1981. v. 71 (9). p. 925-928. ill. 14 ref. (NAL Call No.: 464.8 P56).

0744

Effect of wounding on incidence on black rot of cranberry in Wisconsin. PLDRA. Schwarz, M.R. Boone, D.M. St. Paul, Minn. : American Phytopathological Society. Plant disease. Mar 1985. v. 69 (3). p. 225-227. ill. Includes 16 references. (NAL Call No.: DNAL 1.9 P69P).

0745

Effects of cooling rate on shelflife and decay of highbush blueberries (from anthracnose *Gloeosporium*, alternaria rot, *Alternaria*). Hudson, D.E. Tietjen, W.H. Alexandria, Va., American Society for Horticultural Science. HortScience. Oct 1981. v. 16 (5). p. 656-657. 7 ref. (NAL Call No.: SB1.H6).

0746

Effects of flooding and *Phytophthora* root rot on photosynthetic characteristics of avocado. Ploetz, R.C. Schaffer, B. S.I. : The Society. Proceedings of the ... annual meeting of the Florida State Horticulture Society. Aug 1988. v. 100. p. 290-294. Includes references. (NAL Call No.: DNAL SB19.2.F6F56).

0747

Effects of phosphorous acid and fosetyl-A1 on the life cycle of *Phytophthora cinnamomi* and *Phytophthora citricola*. PHYTA. Coffey, M.D. Joseph, M.C. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Sept 1985. v. 75 (9). p. 1042-1046. Includes 21 references. (NAL Call

No.: DNAL 464.8 P56).

0748

Effects of triforine (used to control *Monilinia vaccinii-corymbosi*, mummy berry) on pollen germination and fruit set in highbush blueberry (*Vaccinium corymbosum* cultivars, Inhibition). Bristow, P.R. St. Paul, Minn., American Phytopathological Society. Plant disease. Apr 1981. v. 65 (4). p. 350-353. ill. 21 ref. (NAL Call No.: 1.9 P69P).

0749

Effects of water stress on *Tuberularia* canker of Russian olive. Krupinsky, J.M. Frank, A.B. Bozeman, Mont. : Montana State University, Cooperative Extension Service. Great Plains Agriculture i.e. Agricultural Council publication. Paper presented at the "International Symposium on Windbreak Technology," June 23-27, 1986, Lincoln, Nebraska. 1986. (117). p. 171-172. Includes references. (NAL Call No.: DNAL S27.A3).

0750

Elimination of mycoplasmalike organisms in Cabot highbush blueberry with high-carbon dioxide thermotherapy.

PLDRA. Converse, R.H. George, R.A. St. Paul, Minn. : American Phytopathological Society. Plant disease. Jan 1987. v. 71 (1). p. 36-38. maps. Includes references. (NAL Call No.: DNAL 1.9 P69P).

0751

Evaluation of fungicides for control of anthracnose in avocados, 1982 (*Glomerella cingulata* var. minor infecting *Persea americana*).

Fitzell, R.D. FNEDT. Peak, C.M.; Peasley, D. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 202-203. (NAL Call No.: 464.9 AM31R).

0752

Evaluation of fungicides for control of *Botrytis* blossom blight in lowbush blueberry in Maine, 1980 (Blueberry, lowbush (*Vaccinium angustifolium*), blossom blight; *Botrytis cinerea*).

Zuck, M.G. Caruso, F.L. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 39. (NAL Call No.: 464.9 AM31R).

(PLANT DISEASES - FUNGAL)

0753

**Evaluation of fungicides for control of spur blight and gray mold on red raspberry, 1980 (Raspberry (Rubus idaeus var. strigosus 'Latham'), spur blight; Didymella applanata, gray mold; Botrytis cinerea).**  
Ellis, M.A. Williams, R.N. (s.l.) : The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 45-46. (NAL Call No.: 464.9 AM31R).

0754

**Evaluation of fungicides for the control of American gooseberry mildew in gooseberry, 1982 (Sphaerotheca mors-uvae, Ribes grossularia).**  
Washington, W.S.FNETD. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 125. (NAL Call No.: 464.9 AM31R).

0755

**Evaluation of mancozeb for control of field and storage rot of cranberries, 1985.**  
FNETD. Caruso, F.L. s.l. : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1986. v. 41. p. 40. (NAL Call No.: DNAL 464.9 AM31R).

0756

**Everything you ever needed to know about root rot law (Phytophthora cinnamomi, avocado root rot).**  
Lopardo, S.V. Vista, Calif. : Rancher Pub. Avocado grower. Feb 1983. v. 7 (2). p. 34-37. (NAL Call No.: SB379.A9A9).

0757

**Exploitation of animal mobility.**  
NATUAS. Moore, P.D. Neptune, N.J. : Macmillan Journals. Nature. Sept 26/Oct 2, 1985. v. 317 (6035). p. 288. ill. Includes references. (NAL Call No.: DNAL 472 N21).

0758

**Factors determining the effectiveness of fungicides.**  
Byther, R.S. Portland : The Society. Annual report - Oregon Horticultural Society. 1986. v. 77. p. 165-167. (NAL Call No.: DNAL 81 OR32).

0759

**Fungicide abstracts.**  
MUCBA. Jones, A.L. Ramsdell, D. East Lansing, Mich. : The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. Dec 1986. (E-154). p. 88-89. (NAL Call No.: DNAL 275.29 M58B).

0760

**Fungicide control of Phomopsis canker of Russian olive, 1982 (Phomopsis eleagni, Eleagnus angustifolia).**  
Stewart, J.FNETD. Worf, G. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 185. (NAL Call No.: 464.9 AM31R).

0761

**Fungicide evaluation of Septoria leaf spot on Marion blackberry, 1981 (Septoria rubi on Rubus ursinus).**  
MacSwan, I.C.FNETD. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 124. (NAL Call No.: 464.9 AM31R).

0762

**Fungicides for control of avocado root rot (Phytophthora cinnamomi).**  
Zentmyer, G.A. Vista, Calif. : Rancher Pub. Avocado grower. Sept 1982. v. 6 (9). p. 44-45. (NAL Call No.: SB379.A9A9).

0763

**Grape, blackberry and strawberry insect and disease control--1982.**  
Barnes, G.L. Coppock, S.; Nesheim, G.N.; Campbell, R.E. Stillwater : The Service. OSU current report - Oklahoma State University, Cooperative Extension Service. Dec 1984. (6221,repr.). 3 p. (NAL Call No.: DNAL S451.0508).

0764

**Improvements in the control of ribes by chemical and mechanical methods /by H.R. Offord ... et al. .**  
Offord, H. R. 1903-. Washington, D.C. : U.S. Dept. of Agriculture, 1952. 72 p., 9 leaves of plates : ill., charts, map ; 24 cm. Bibliography: p. 71-72. (NAL Call No.: DNAL 1 Ag84C no.906).

(PLANT DISEASES - FUNGAL)

0765

**The influence of fungicides on pollen germination and yield of cranberry (Phytotoxicity).**

Bristow, P.R. Shawa, A.Y. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. May 1981. v. 106 (3). p. 290-292. 13 ref. (NAL Call No.: 81 S012).

0766

**Injection of established avocado trees for the effective control of Phytophthora root rot.**

Darvas, J.M. Torien, J.C.; Milne, D.L. Saticoy, Calif. : The Society. Yearbook - California Avocado Society. 1983. v. 67. p. 141-146. Includes references. (NAL Call No.: 81 C128).

0767

**An integrated approach to the control of avocado root rot.**

CAVYA. Coffey, M. Saticoy, Calif. : The Society. Yearbook - California Avocado Society. 1984. v. 68. p. 61-65, 67-68. ill. (NAL Call No.: DNAL 81 C128).

0768

**Integrated control of avocado root rot.**

Kotze, J.M. Darvas, J.M. Saticoy, Calif. : The Society. Yearbook - California Avocado Society. 1983. v. 67. p. 83-86. Includes references. (NAL Call No.: 81 C128).

0769

**Interplanting: is it worth the headaches? (Citrus and avocados, Phytophthora cinnamomi, cultural control).**

Vista, Calif., Rancher Publications. Avocado grower. Nov 1980. v. 4 (11). p. 26-27. ill. (NAL Call No.: SB379.A9A9).

0770

**Laboratory screening technique for assessing resistance of four avocado rootstocks to Phytophthora cinnamomi.**

PLDRA. Dolan, T.E. Coffey, M.D. St. Paul, Minn. : American Phytopathological Society. Plant disease. Feb 1986. v. 70 (2). p. 115-118. Includes 13 references. (NAL Call No.: DNAL 1.9 P69P).

0771

**Minimize root rot losses.**

WEFGA. Wilcox, W.F. Willoughby, Ohio : Meister Pub. Co. Western fruit grower. Jan 1987. v. 107 (1). p. 18-19. ill. (NAL Call No.: DNAL 80 G85W).

0772

**Mycotoxin production by Alternaria species grown on apples, tomatoes, and blueberries (Storage diseases, food contamination).**

Stinson, E.E. AR-ERRC. Bills, D.D.; Osman, S.F.; Siciliano, J.; Ceponis, M.J.; Heisler, E.G. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Sept/Oct 1980. v. 28 (5). p. 960-963. 25 ref. (NAL Call No.: 381 J8223).

0773

**Myxosporium (psidii) wilt of guava and its control (Taiwan).**

Leu, L.S. SEA. Kao, C.W.; Wang, C.C.; Liang, W.J.; Hsieh, S.P.Y. Beltsville, Md., The Administration. Plant disease reporter. United States. Dept. of Agriculture. Science and Education Administration. Dec 1979. v. 63 (12). p. 1075-1077. ill. 3 ref. (NAL Call No.: 1.9 P69P).

0774

**New fungicides for small fruit disease control (Grapes, strawberries, blueberries and brambles, United States).**

Ellis, M.A. St. Paul, American Phytopathological Society. Plant disease. Feb 1984. v. 68 (2). p. 174. (NAL Call No.: 1.9 P69P).

0775

**Observations on a biological root rot control trial in the Fallbrook area.**

CAVYA. Borst, G. Saticoy, Calif. : The Society. Yearbook - California Avocado Society. 1986. v. 70. p. 107-110. ill. Includes references. (NAL Call No.: DNAL 81 C128).

0776

**Organic matter helps control root rot spread (Phytophthora cinnamomi, avocado).**

Borst, G. Vista, Calif. : Rancher Pub. Avocado grower. Dec 1983. v. 7 (12). p. 38-39, 47. ill. Includes references. (NAL Call No.: SB379.A9A9).

(PLANT DISEASES - FUNGAL)

0777

**Origin and distribution of Phytophthora cinnamomi.**

CAVYA. Zentmyer, G.A. Saticoy, Calif. : The Society. Yearbook - California Avocado Society. 1985. v. 69. p. 89-94. Includes 3 references. (NAL Call No.: DNAL 81 C128).

0778

**Phytophthora root rot of avocado.**

Coffey, M. Vista, Calif. : Rancher Pub. Avocado grower. Aug 1984. v. 8 (7). p. 19-25. ill. (NAL Call No.: DNAL SB379.A9A9).

0779

**Phytophthora root rot of avocado: an integrated approach to control in California.**

PLDIDE. Coffey, M.D. St. Paul, Minn. : American Phytopathological Society. Plant disease. Nov 1987. v. 71 (11). p. 1046-1052. ill. Includes references. (NAL Call No.: DNAL 1.9 P69P).

0780

**Postharvest treatment with fungicides and heated water for control of blueberry fruit decay, 1980 (Blueberry, highbush (*Vaccinium corymbosum* L., 'Jersey'), Alternaria fruit rot; *Alternaria* sp., gray mold rot; *Botrytis cinerea*).**

Burton, C.L. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 38. (NAL Call No.: 464.9 AM31R).

0781

**Progress of research on root rot reviewed (Use of nonphytotoxic soil fungicides to control *Phytophthora cinnamomi*, for avocados in California).**

Vista, Calif. : Rancher Pub. Avocado grower. Aug 1983. v. 7 (8). p. 40-41. ill. (NAL Call No.: SB379.A9A9).

0782

**Protection of *Persea* species against *Phytophthora cinnamomi* and *Phytophthora citricola* by prior inoculation with a citrus isolate of *Phytophthora parasitica*.**

PHYTA. Dolan, T.E. Cohen, Y.; Coffey, M.D. St. Paul, Minn. : American Phytopathological Society. *Phytopathology*. Feb 1986. v. 76 (2). p. 194-198. Includes 20 references. (NAL Call No.: DNAL 464.8 P56).

0783

**Raspberry anthracnose.**

Kerr, Eric D. Wiebe, Wayne. 1981. This publication discusses the symptoms, cause and control of Raspberry Anthracnose. Document available from: Dept. of Agricultural Communications, University of Nebraska-Lincoln, Lincoln, NE 68583. 1 sheet : ill. (NAL Call No.: G74-87).

0784

**Raspberry anthracnose.**

Pecknold, Paul C. Document available from: Purdue University, Publication Mailing Room, 301 South Second Street, Lafayette, Indiana 47905 1980. Examines anthracnose symptoms, cause and control. 1 sheet : ill. (NAL Call No.: Document available from source.).(NAL Call No.: BP-4-1).

0785

**Raspberry disorder: anthracnose (*Elsinoe veneta*, *Gleosporium venetum*, symptoms, control).**

Heimann, M.F. Boone, D.M. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. Sept 1983. Sept 1983. (A3241). 2 p. ill. (NAL Call No.: S544.3.W6W53).

0786

**Resistant rootstocks for control of *Phytophthora cinnamomi* (Root rot of avocado).**

Zentmyer, G.A. Vista, Calif. : Rancher Pub. Avocado grower. Nov 1982. v. 6 (11). p. 32-35. (NAL Call No.: SB379.A9A9).

0787

**Root rot control: integrated approach best path.**

Thompson, W. Vista, Calif. : Rancher Pub. Avocado grower. June 1984. v. 8 (6). p. 23, 26-27. (NAL Call No.: DNAL SB379.A9A9).

0788

**Root rot: new research developments.**

Coffey, M. Vista, Calif. : Rancher Publications. California grower. Feb 1987. v. 11 (2). p. 32-33. (NAL Call No.: DNAL SB379.A9A9).

(PLANT DISEASES - FUNGAL)

0789

**Root rot: what you need to know. 2.**  
Coffey, M. Vista, Calif. : Rancher Publications. California grower. Mar 1987. v. 11 (3). p. 32-33, 35. (NAL Call No.: DNAL SB379.A9A9).

0790

**Row width affects disease control in Heritage red raspberry (Rubus idaeus, spur blight, caused by the fungus *Didymella applanata*, fall-bearing cultivars, Ohio).**  
Ellis, M.A. ORRDA. Williams, R.N.; Krueger, H.R. Wooster : The Center. Ohio report on research and development in agriculture, home economics, and natural resources - Ohio Agricultural Research and Development Center. Sept/Oct 1982. v. 67 (5). p. 75-77. ill. (NAL Call No.: 100 OH3S (3)).

0791

**Selecting avocado rootstocks for specific conditions.**  
Ben Yacco, A. Fallbrook, Calif. : Rancher Publications. California grower. May 1988. v. 12 (5). p. 14. (NAL Call No.: DNAL SB379.A9A9).

0792

**Soil fumigants for root rot control (Phytophthora cinnamomi, in avocado groves).**  
Zentmyer, G.A. Vista, Calif. : Rancher Pub. Avocado grower. Oct 1982. v. 6 (10). p. 40-41. (NAL Call No.: SB379.A9A9).

0793

**Soil is said to influence biological control efforts (on root rot, caused by Phytophthora cinnamomi in avocados).**  
Borst, G. Vista, Calif. : Rancher Pub. Avocado grower. Aug 1983. v. 7 (8). p. 34-35. Includes references. (NAL Call No.: SB379.A9A9).

0794

**Systemic translocation of  $^{14}\text{C}$  (carbon isotope)-labeled metalaxyl (fungicide) in tomato, avocado, and *Persea indica*.**  
Zaki, A.I. Zentmyer, G.A.; LeBaron, H.M. Laramie, The Station. Science monograph - University of Wyoming, Agricultural Experiment Station. May 1981. v. 71 (5). p. 509-514. ill. 13 ref. (NAL Call No.: S131.E2).

0795

**Terrazole (fungicide, *Phytophthora cinnamomi*) gets mixed reception from Fallbrook Avocado Growers.**  
Vista, Calif., Rancher Publications. Avocado grower. June 1980. v. 4 (6). p. 18-20. (NAL Call No.: SB379.A9A9).

0796

**Timing of benomyl for control of *Botrytis* blossom and stem blight of lowbush blueberries, 1979 (Blueberry, lowbush (*Vaccinium myrtilloides* Ait. and *Vaccinium angustifolium* Michx.), *Botrytis* blossom and stem blight; *Botrytis cinerea* Persoon).**  
Johnson, S.B. Leach, S.S. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 44. (NAL Call No.: 464.9 AM31R).

0797

**Using organic supplements to enhance fungi control.**  
Borst, G. Fallbrook, Calif. : Rancher Publications. California grower. Jan 1986. v. 10 (1). p. 36, 40, 43. Includes references. (NAL Call No.: DNAL SB379.A9A9).

0798

**1979 Cranberry insect and disease control program (Insecticides, fungicides).**  
Shawa, A.Y. WA. Shanks, C.; Bristow, P.R. Pullman, Wash., The Service. EM - Cooperative Extension Service, Washington State University. Washington State University. Cooperative Extension Service. July 1979. July 1979. (2463). 5 p. ill. (NAL Call No.: 275.29 W27MI).

# PLANT DISEASES - BACTERIAL

0799

**Bacterial decomposition of olives during pickling** /by W.V. Cruess and E.H. Guthier.  
Cruess, W. V. 1886-. Guthier, E. H. 1895-.  
Berkeley, Cal. : Agricultural Experiment Station, 1923. Cover title. 15 p. : ill., 1 chart ; 24 cm. (NAL Call No.: DNAL 100 C125 (1) no.368).

0800

**Diseases of brambles in Illinois and their control** /by A.S. Colby and H.W. Anderson.  
Colby, A. S. 1887-. Anderson, Harry W. 1892-.  
Urbana, Ill. : University of Illinois, Agricultural College and Experiment Station, 1924. 20 p., 1 leaf of plates : ill. ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 275.29 IL62C no.305).

0801

**Effect of fertilizer rate on growth of Ficus lyrata and susceptibility to Pseudomonas cichorii.**  
HJHSA. Chase, A.R. Alexandria, Va. : American Society for Horticultural Science. HortScience, Feb 1988. v. 23 (1). p. 151-152. Includes references. (NAL Call No.: DNAL SB1.H6).

0802

**Tayberry** (Hybrid Rubus variety "tayberry", fruit is medium firm, slightly glossy and highly flavored, susceptible to crown gall *Agrobacterium radiobacter tumefaciens*, fruit stores well when deep frozen).  
Jennings, D.L. Washington, D.C., The Office. United States patent. Plant - United States Patent and Trademark Office. 2 p. plates. (NAL Call No.: 156.65 P69).

# PLANT DISEASES - VIRAL

0803

**California avocado diseases.**

Bekey, R. Fallbrook, Calif. : Rancher Publications. California grower. July 1987. v. 11 (7). p. 18-21. ill. (NAL Call No.: DNAL SB379.A9A9).

0804

**Effects of raspberry bushy dwarf virus on yield and cane growth in susceptible red raspberry cultivars (*Rubus idaeus*).**

Daubeny, H.A. Freeman, J.A.; Stace-Smith, R. Alexandria, Va., American Society for Horticultural Science. HortScience. Aug 1982. v. 17 (4). p. 645-647. ill. 15 ref. (NAL Call No.: SB1.H6).

0805

**Minn vitro uses tissue culture to sprout blueberries and virus-free plants.**

Sirkin, A. Sirkin, B. New York, N.Y. : Mary Ann Liebert. Genetic engineering news. Nov/Dec 1986. v. 6 (10). p. 11, 50. ill. (NAL Call No.: DNAL QH442.G456).

0806

**Physical and chemical properties of the particles and ribonucleic acid of blueberry leaf mottle virus.**

Ramsdell, D.C. Stace-Smith, R. St. Paul, Minn., American Phytopathological Society. Phytopathology. Apr 1981. v. 71 (4). p. 468-472. 15 ref. (NAL Call No.: 464.8 P56).

0807

**Raspberry ringspot and associated diseases of Rubus caused by raspberry ringspot and tomato black ring viruses.**

XAAHA. Murant, A.F. Washington, D.C. : The Department. Agriculture handbook - United States Department of Agriculture, Combined Forest Pest Research and Development Program. Aug 1987. (631). p. 211-220. ill. (NAL Call No.: DNAL 1 AG84AH).

0808

**Raspberry virus diseases and their control.**

Ramsdell, D.C. East Lansing, The Society. Annual report - Michigan State Horticultural Society. 1981. 1981. (111th). p. 150. (NAL Call No.: 81 M58).

0809

**Red raspberry virus diseases in North America (*Rubus idaeus*, grouped according to mode of transmission: aphid-borne, nematode-borne, pollen-borne, control strategies).**

St. Paul, Minn. : American Phytopathological Society. Plant disease. Apr 1984. v. 68 (4). p. 274-279. ill. Includes references. (NAL Call No.: 1.9 P69P).

0810

**Status of virus-tested Rubus cultivars in the USDA research collection.**

FVRJA. Converse, R.H. University Park, Pa. : American Pomological Society. Fruit varieties journal. Jan 1988. v. 42 (1). p. 14-19. Includes references. (NAL Call No.: DNAL 80 F9464).

0811

**The structure of viroids and virusoids.**

Keese, P. Symons, R.H. Boca Raton, Fla. : CRC Press, 1987. Viroids and viroid-like pathogens / editor, Joseph S. Semancik. p. 1-47. Includes references. (NAL Call No.: DNAL QR500.V57).

# PLANT DISEASES - PHYSIOLOGICAL

0812

**Alterations in abscisic acid content of *Ficus benjamina* leaves resulting from exposure to water stress and its relationship to leaf abscission.**

Peterson, J.C. Sacalis, J.N.; Durkin, D.J. Alexandria, Va., The Society. *Journal of the American Society for Horticultural Science*. Nov 1980. v. 105 (6). p. 793-798. ill. 43 ref. (NAL Call No.: 81 S012).

0818

**Reproductive response of the highbush blueberry to root-zone flooding.**

HJHSA. Abbott, J.D. Gough, R.E. Alexandria, Va. : American Society for Horticultural Science. *HortScience*. Feb 1987. v. 22 (1). p. 40-42. Includes references. (NAL Call No.: DNAL SB1.H6).

0813

**California avocado diseases.**

Bekey, R. Fallbrook, Calif. : Rancher Publications. *California grower*. July 1987. v. 11 (7). p. 18-21. ill. (NAL Call No.: DNAL SB379.A9A9).

0814

**Effects of light intensity, air layering, and water stress on leaf diffusive resistance and incidence of leafspotting in *Ficus elastica* (Nutritional deficiencies, potassium).**

Broschat, T.K. Donselman, H.M. Alexandria, Va., American Society for Horticultural Science. *HortScience*. Apr 1981. v. 16 (2). p. 211-212. ill. 4 ref. (NAL Call No.: SB1.H6).

0815

**Postharvest handling systems: subtropical fruits.**

Kader, A.A. Berkeley, Calif. : Coop Ext, Univ of California, Div of Agric and Natural Resources, 1985. *Postharvest technology of horticultural crops* / Adel A. Kadar et al. . p. 152-156. Includes references. (NAL Call No.: DNAL SB319.7.P67).

0816

**Promotion of leaf abscission in intact *Ficus benjamina* by exposure to water stress.**

Peterson, J.C. Sacalis, J.N.; Durkin, D.J. Alexandria, Va., The Society. *Journal of the American Society for Horticultural Science*. Nov 1980. v. 105 (6). p. 788-793. ill. 43 ref. (NAL Call No.: 81 S012).

0817

**Rabbiteye blueberry nutrition.**

Clark, J.R. Fayetteville, Ark. : Arkansas State Horticultural Society. *Proceedings of the ... annual meeting - Arkansas State Horticultural Society*. 1986. (107th). p. 97-101. (NAL Call No.: DNAL SB21.A7A7).

# MISCELLANEOUS PLANT DISORDERS

0819

Accumulation of MSMA (organic arsenical herbicide) in the fruit of blackberry (*Rubus* sp.).

Anderson, A.C. Abdelghani, A.A.; Hughes, J.; Mason, J.W. New York, Marcel Dekker. Journal of environmental science and health. Part B. Pesticides, food contaminants, and agricultural wastes. 1980. v. 15 (3). p. 247-258. ill. 9 ref. (NAL Call No.: TD172.J61).

0820

Bud mortality and phloem injury of six blackberry cultivars subjected to low temperatures.

FVRJA. Warmund, M.R. George, M.F.; Clark, J.R. University Park, Pa. : American Pomological Society. Fruit varieties journal. Oct 1986. v. 40 (4). p. 144-146. Includes references. (NAL Call No.: DNAL 80 F9464).

0821

Calcium chloride effect on glycerolipids metabolism in olive tree leaf.

Marzouk, B. Zarrouk, M.; Cherif, A.; Mazliak, P. New York : Plenum Press, c1987. The metabolism structure, and function of plant lipids / edited by Paul K. Stumpf, J. Brian Mudd, and W. David Nes. Paper presented at the "Seventh International Symposium on Plant Lipids," held July 27-August 1, 1986, University of California, Davis, California. p. 317-319. Includes references. (NAL Call No.: DNAL QK898.L56I55 1986).

0822

Cold damage to blueberry flowers.

Clark, J.R. Moore, J.N. Fayetteville, Ark. : Arkansas State Horticultural Society. Proceedings of the ... annual meeting - Arkansas State Horticultural Society. 1984. (105th). p. 71-74. Includes 2 references. (NAL Call No.: DNAL SB21.A7A7).

0823

Cold damage to flower buds of rabbiteye blueberry cultivars.

AKFRAC. Clark, J.R. Moore, J.N.; Baker, E.C. Fayetteville, Ark. : The Station. Arkansas farm research - Arkansas Agricultural Experiment Station. Nov/Dec 1986. v. 35 (6). p. 3. maps. (NAL Call No.: DNAL 100 AR42F).

0824

Cold injury to flower buds and shoots of blueberry cultivars following extreme low fall temperatures.

FVRJA. Fear, C.D. Lawson, V.F. University Park, Pa. : American Pomological Society. Fruit varieties journal. Oct 1987. v. 41 (4). p. 148-149. Includes references. (NAL Call No.: DNAL 80 F9464).

0825

Control of weeds in cranberries (*Vaccinium macrocarpon*) with glyphosate and terbacil (Phytotoxicity, herbicides, treatment time, *Aster subspicatus*, *Spiraea douglasii*, *Carex vesicaria*).

Shawa, A.Y. Champaign, Ill., Weed Science Society of America. Weed science. Sept 1980. v. 28 (5). p. 565-568. ill. 12 ref. (NAL Call No.: 79.8 W41).

0826

Covalent binding of chlorophenoxyacetic acids to plant cuticles.

AECTCV. Riederer, M. Schonherr, J. New York, N.Y. : Springer-Verlag. Archives of environmental contamination and toxicology. Jan 1986. v. 15 (1). p. 97-105. ill. Includes references. (NAL Call No.: DNAL TD172.A7).

0827

Effect of rough handling on CO<sub>2</sub> (carbon dioxide) evolution from 'Howes' cranberries (*Vaccinium macrocarpon*).

Massey, L.M. Jr. Chase, B.R.; Starr, M.S. Alexandria, Va., American Society for Horticultural Science. HortScience. Feb 1982. v. 17 (1). p. 57-58. ill. Includes 6 ref. (NAL Call No.: SB1.H6).

0828

Effect of wounding on incidence on black rot of cranberry in Wisconsin.

PLDRA. Schwarz, M.R. Boone, D.M. St. Paul, Minn. : American Phytopathological Society. Plant disease. Mar 1985. v. 69 (3). p. 225-227. ill. Includes 16 references. (NAL Call No.: DNAL 1.9 P69P).

0829

Effects of flooding and *Phytophthora* root rot on photosynthetic characteristics of avocado.

Ploetz, R.C. Schaffer, B. S.l. : The Society. Proceedings of the ... annual meeting of the Florida State Horticulture Society. Aug 1988. v. 100. p. 290-294. Includes references. (NAL Call No.: DNAL SB319.2.F6F56).

(MISCELLANEOUS PLANT DISORDERS)

0830

**Effects of selected fungicides, insecticides, and adjuvants on in vitro germination of highbush blueberry pollen.**  
PLDRA. Bristow, P.R. Windom, G.E. St. Paul, Minn. : American Phytopathological Society. Plant disease. Apr 1987. v. 71 (4). p. 326-327. Includes references. (NAL Call No.: DNAL 1.9 P69P).

0831

**Effects of triforine (used to control *Monilinia vaccinii-corymbosi*, mummy berry) on pollen germination and fruit set in highbush blueberry (Vaccinium corymbosum cultivars, Inhibition).**  
Bristow, P.R. St. Paul, Minn., American Phytopathological Society. Plant disease. Apr 1981. v. 65 (4). p. 350-353. ill. 21 ref. (NAL Call No.: 1.9 P69P).

0832

**Effects of wastewater from olive processing on seed germination and early plant growth of different vegetable species.**  
JPFCD2. Perez, J.D. Esteban, E.; Gomez, M.; Gallardo-Lara, F. New York, N.Y. : Marcel Dekker. Journal of environmental science and health. Part B. Pesticides, food contaminants, and agricultural wastes. 1986. v. 21 (4). p. 349-357. Includes references. (NAL Call No.: DNAL TD172.J61).

0833

**Evaluation of herbicides for use in red raspberry production.**  
Howard, S.W. Norton, R.A. S.I. : Western Society of Weed Science. Research progress report - Western Society of Weed Science. 1987. p. 114. (NAL Call No.: DNAL 79.9 W52R).

0834

**Freeze damage in six rabbiteye blueberry cultivars.**  
Spiers, J.M. University Park, Pa., American Pomological Society. Fruit varieties journal. Apr 1981. v. 35 (2). p. 68-70. ill. 6 ref. (NAL Call No.: 80 F9464).

0835

**Frost damage: how to care for the grove.**  
Bender, G.S. Vista, Calif. : Rancher Publications. California grower. Mar 1987. v. 11 (3). p. 7, 23, 29. (NAL Call No.: DNAL SB379.A9A9).

0836

**Frost protection--are you ready? (Frost, avocados, California).**  
Vista, Calif., Rancher Publications. Avocado grower. Sept 1980. v. 4 (9). p. 36-37. ill. (NAL Call No.: SB379.A9A9).

0837

**Fruit yield and solar injury comparison of two primocane fruiting red raspberries.**  
FVRJA. Renquist, A.R. Hughes, H.G. University Park, Pa. : American Pomological Society. Fruit varieties journal. Oct 1987. v. 41 (4). p. 133-136. Includes references. (NAL Call No.: DNAL 80 F9464).

0838

**Growth and survival of the highbush blueberry in response to root zone flooding.**  
JOSHB. Abbott, J.D. Gough, R.E. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. July 1987. v. 112 (4). p. 603-608. Includes references. (NAL Call No.: DNAL 81 S012).

0839

**Growth inhibition from guava root exudates (Psidium guajava, allelopathy, glyphosate application).**  
Brown, R.L.HJHSA. Tang, C.S.; Nishimoto, R.K. Alexandria : American Society for Horticultural Science. HortScience. June 1983. v. 18 (3). p. 316-318. ill. Includes references. (NAL Call No.: SB1.H6).

0840

**Impact of certain pesticides on avocado (Phytotoxicity).**  
Sances, F.V.CAVYA. Ting, I.P.; Hogenson, R.O.; McDonald, J.E. Saticoy : The Society. Yearbook - California Avocado Society. 1982. v. 66. p. 145-147, 149-151, 153-154. ill. (NAL Call No.: 81 C128).

0841

**The influence of fungicides on pollen germination and yield of cranberry (Phytotoxicity).**  
Bristow, P.R. Shawa, A.Y. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. May 1981. v. 106 (3). p. 290-292. 13 ref. (NAL Call No.: 81 S012).

(MISCELLANEOUS PLANT DISORDERS)

0842

Influence of surfactants on blossom cold hardiness and yield in highbush blueberry (*Vaccinium corymbosum* L.) (Cold injury susceptibility).

Robbins, J.A. Doughty, C.C. Ottawa, Agricultural Institute of Canada. Canadian journal of plant science. Jan 1980. v. 60 (1). p. 255-258. ill. 10 ref. (NAL Call No.: 450 C16).

0843

Manganese toxicity in Avocado (*Persea americana* Mill.) (in San Diego County, California). Tracy, J.E. Saticoy, Calif. : The Society. Yearbook - California Avocado Society. 1983. v. 67. p. 147-149, 152-158. ill. Includes references. (NAL Call No.: 81 C128).

0844

Mechanical harvest of red raspberry as affected by training systems.

HJHSA. Martin, L.W. Nelson, E. Alexandria, Va. : American Society for Horticultural Science. HortScience. June 1987. v. 22 (3). p. 400-401. Includes references. (NAL Call No.: DNAL SB1.H6).

0845

Observations on the overwintering of Oriental persimmons in Maryland.

NONGA. Shanks, J.B. Hamden, Conn. : The Association. Annual report of the Northern Nut Growers Association. 1984. (75th). p. 21-27. ill. (NAL Call No.: DNAL 94.69 N81).

0846

Reducing injury during mechanical harvesting of cranberries (*Vaccinium macrocarpon*).

Davis, D.C. JOSHB. Shawa, A.Y. Alexandria : The Society. Journal of the American Society for Horticultural Science. May 1983. v. 108 (3). p. 444-447. ill. Includes references. (NAL Call No.: 81 S012).

0847

Response of rabbiteye blueberries to flooding. Crane, J.H. Davies, F.S. s.l. : The Society. Proceedings of the ... annual meeting of the Florida State Horticulture Society. 1986. v. 98. p. 153-155. Includes references. (NAL Call No.: DNAL SB319.2.F6F56).

0848

Short-term flooding effects on gas exchange and quantum yield of rabbiteye blueberry (*Vaccinium ashei* Reade).

PLPHA. Davies, F.S. Flore, J.A. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. May 1986. v. 81 (1). p. 289-292. Includes 22 references. (NAL Call No.: DNAL 450 P692).

0849

Simultaneous determination of fenitrothion and aminocarb in blueberry foliage and fruits: Application to the analysis of residues in field samples.

JPFC2D. Sundaram, K.M.S. Boyonoski, N.; Wing, R.W.; Cadogan, B.L. New York, N.Y. : Marcel Dekker. Journal of environmental science and health. Part B. Pesticides, food contaminants, and agricultural wastes. 1987. v. B22 (5). p. 565-578. Includes references. (NAL Call No.: DNAL TD172.J61).

0850

Soil temperature and flooding effects on young rabbiteye blueberry plant survival, growth, and ethylene levels.

Crane, J.H. S.l. : The Society. Proceedings of the ... annual meeting of the Florida State Horticulture Society. Aug 1988. v. 100. p. 301-305. Includes references. (NAL Call No.: DNAL SB319.2.F6F56).

0851

Solar injury of raspberry fruit.

HJHSA. Renquist, A.R. Hughes, H.G.; Rogoyski, M.K. Alexandria, Va. : American Society for Horticultural Science. HortScience. June 1987. v. 22 (3). p. 396-397. Includes references. (NAL Call No.: DNAL SB1.H6).

0852

Spring frost injury relative to phenophase bud development in Saskatoon berry.

HJHSA. Friesen, L.J. Stushnoff, C. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug 1985. v. 20 (4). p. 744-746. ill. Includes 11 references. (NAL Call No.: DNAL SB1.H6).

0853

Tolerance of highbush and rabbiteye blueberry cultivars to hexazinone.

HJHSA. Baron, J.J. Monaco, T.J.; Mainland, C.M. Alexandria, Va. : American Society for Horticultural Science. HortScience. Dec 1985. v. 20 (6). p. 1074-1075. Includes references. (NAL Call No.: DNAL SB1.H6).

(MISCELLANEOUS PLANT DISORDERS)

0854

**Tolerance to terbacil in rabbiteye blueberry.**  
HJHSA. Gupton, C.L. Alexandria, Va. : American Society for Horticultural Science. HortScience. Apr 1986. v. 21 (2). p. 283-285. ill. Includes references. (NAL Call No.: DNAL SB1.H6).

0855

**Water stress, endogenous ethylene, and *Ficus benjamina* leaf abscission.**  
HJHSA. Graves, W.R. Gladon, R.J. Alexandria, Va. : American Society for Horticultural Science. HortScience. Apr 1985. v. 20 (2). p. 273-275. ill. Includes 15 references. (NAL Call No.: DNAL SB1.H6).

0856

**Waterlogging of containerized rabbiteye blueberries in Florida (Vaccinium ashei, injuries, flood tolerance, physiology).**  
Davies, F.S. Wilcox, D. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. July 1984. v. 109 (4). p. 520-524. ill. Includes 21 references. (NAL Call No.: 81 S012).

0857

**1981 cranberry insect and disease control program (Pesticides, toxicity, injuries).**  
Shawa, A.Y. Shanks, C.; Bristow, P.R. Pullman, Wash., The Service. Extension bulletin - Washington State University, Cooperative Extension Service. Mar 1981. Mar 1981. (2463). 4 p. (NAL Call No.: 275.29 W27P).

# PROTECTION OF PLANT PRODUCTS - GENERAL AND MISC.

0858

## Avoid spoilage by precooling berries.

Willoughby, Ohio : Meister Publishing Company. American fruit grower. Mar 1985. v. 105 (3). p. 42-43. (NAL Call No.: DNAL 80 G85).

0859

**Bacterial decomposition of olives during pickling /by W.V. Cruess and E.H. Guthier.**  
Cruess, W. V. 1886-. Guthier, E. H. 1895-. Berkeley, Cal. : Agricultural Experiment Station, 1923. Cover title. 15 p. : ill., 1 chart ; 24 cm. (NAL Call No.: DNAL 100 C12S (1) no.368).

0860

**Benlate and Fungazil efficacy against postharvest decay of blueberry, 1982 (Gray mold rot, *Botrytis cinerea* on *Vaccinium corymbosum*).**  
Burton, C.L.FNETD. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 124. (NAL Call No.: 464.9 AM31R).

0861

**Berry color, water immersion time, rot, and physiological breakdown of cold-stored cranberry fruits (Harvest, maturity, *Vaccinium macrocarpon*, fungal rot).**  
Ceponis, M.J.HJHSA. Stretch, A.W. Alexandria : American Society for Horticultural Science. HortScience. Aug 1983. v. 18 (4,sect.1). p. 484-485. Includes references. (NAL Call No.: SB1.H6).

0862

## Brambles: find market first.

WEFGA. Aylsworth, J. Willoughby, Ohio : Meister Pub. Co. Western fruit grower. May 1988. v. 108 (5). p. 37-38. ill. Includes references. (NAL Call No.: DNAL 80 G85W).

0863

**Carbon dioxide as an indicator of fruit impact damage.**  
HJHSA. Burton, C.L. Schulte-Pason, N.L. Alexandria, Va. : American Society for Horticultural Science. HortScience. Apr 1987. v. 22 (2). p. 281-282. Includes references. (NAL Call No.: DNAL SB1.H6).

0864

## The chemical control of postharvest diseases: deciduous fruits, berries, vegetables and root/tuber crops.

APPYA. Eckert, J.W. Ogawa, J.M. Palo Alto, Calif. : Annual Reviews, Inc. Annual review of phytopathology. Literature review. 1988. v. 26. p. 433-469. Includes references. (NAL Call No.: DNAL 464.8 AN72).

0865

**Control of postharvest decays (caused by fungi) of blueberry fruits by precooling, fungicide, and modified atmospheres (Storage).**  
Ceponis, M.J. SEA~AR-NE. Cappellini, R.A. Beltsville, Md., The Administration. Plant disease reporter. United States. Dept. of Agriculture. Science and Education Administration. Dec 1979. v. 63 (12). p. 1049-1053. ill. 14 ref. (NAL Call No.: 1.9 P69P).

0866

**Cranberry pest control--end rot of cranberry: *Godronia cassandrae* Peck (*Fusicoccum putrefaciens* Shear - imperfect stage) (Fungi, storage diseases).**  
Boone, D.M. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. 1982. 1982. (A3196). 2 p. ill. (NAL Call No.: S544.3.W6W53).

0867

## Cranberry pest control: black rot of cranberry--*Ceuthospora lunata* Shear and *Strassaria oxycocci* Shear (Fungi, storage diseases).

Boone, D.M. Schwarz, M.R. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. 1982. 1982. (A3197). 2 p. ill. (NAL Call No.: S544.3.W6W53).

0868

**Cranberry pest control: viscid rot and upright dieback of cranberry--*Diaporthe vaccinii* Shear (*Phomopsis vaccinii* Shear imperfect stage) (Fungi, storage diseases).**  
Boone, D.M. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. 1982. 1982. (A3195). 2 p. ill. (NAL Call No.: S544.3.W6W53).

(PROTECTION OF PLANT PRODUCTS - GENERAL AND MISC.)

0869

**Cryogenic storage of olive pollen (*Olea europaea*, cultivars, method for long-term storage of plant germplasm).**  
Parfitt, D.E. Almehdi, A.A. University Park : American Pomological Society. Fruit varieties journal. Jan 1984. v. 38 (1). p. 14-16. Includes references. (NAL Call No.: 80 F9464).

0870

**Effect of morphactin on the storage behaviour of guava fruits (Postharvest decay control, *Gloeosporium psidii*, *Pestalotia psidii*).**  
Gupta, V.K. Mukherjee, D. Mount Vernon, Va., The Society. Journal of the American Society for Horticultural Science. American Society for Horticultural Science. Jan 1980. v. 105 (1). p. 115-119. ill. 33 ref. (NAL Call No.: 81 S012).

0871

**Effects of chilling on respiration and ethylene production of "Hass" avocado fruit at 20 degrees Celsius (Injury).**  
Eaks, I.L. HUHSA. Alexandria : American Society for Horticultural Science. HortScience. Apr 1983. v. 18 (2). p. 235-237. Includes references. (NAL Call No.: SB1.H6).

0872

**Effects of fruit maturity, storage, presoaking, and seed cleaning on germination in three species of palms.**  
Broschat, T.K. Donelman, H. Washington, D.C. : Horticultural Research Institute. Journal of environmental horticulture. Mar 1987. v. 5 (1). p. 6-9. Includes references. (NAL Call No.: DNAL SB1.J66).

0873

**Evaluation of mancozeb for control of field and storage rot of cranberries, 1985.**  
FNED. Caruso, F.L. s.l. : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1986. v. 41. p. 40. (NAL Call No.: DNAL 464.9 AM31R).

0874

**Feasibility and storage stability of aseptically processed guava and papaya (A progress report).**  
Chan, H.T. Jr. Cavaletto, C.G. Honolulu, The Institute. Research extension series - University of Hawaii, Hawaii Institute of Tropical Agriculture and Human Resources. May 1981. May 1981. (006). p. 18-20. (NAL Call No.: S481.R4).

0875

**Fruit spoilage diseases of figs /Ralph E. Smith and H.N. Hansen.**  
Smith, Ralph E. 1874-1953. Hansen, H. N. \_1891-. Berkeley, Cal. : Agricultural Experiment Station, 1931. Cover title. 84 p. : ill. ; 23 cm. Bibliography: p. 83-84. (NAL Call No.: DNAL 100 C12S (1) no.506).

0876

**Induction of chilling injury in stored avocados with exogenous ethylene.**  
Chaplin, G.R. HUHSA. Wills, R.B.H.; Graham, D. Alexandria : American Society for Horticultural Science. HortScience. Dec 1983. v. 18 (6, sec. 1). p. 952-953. Includes references. (NAL Call No.: SB1.H6).

0877

**The influence of water immersion times at harvest on physiological breakdown of 'Early Black' cranberries in storage.**  
Ceponis, M.J. Stretch, A.W. Alexandria, Va., American Society for Horticultural Science. HortScience. Feb 1981. v. 16 (1). p. 60-61. 4 ref. (NAL Call No.: SB1.H6).

0878

**Market diseases of fruits and vegetables grapes and other small fruits /by Dean H. Rose, C.O. Bratley, and W.T. Pentzer.**  
Rose, Dean H. 1878-1963. Bratley, C. O. \_1903-1948.; Pentzer, W. T. \_1901-. Washington, D.C. : U.S. Dept. of Agriculture, 1939. Cover title. - "July 1939." 27 p., 10 leaves of col. plates ; 23 cm. Bibliography: p. 24-26. (NAL Call No.: DNAL 1 Ag84M no.340).

0879

**Market diseases of grapes and other small fruits /by John M. Harvey and W.T. Pentzer.**  
Harvey, John M., 1921-. Pentzer, W. T. \_1901-. Washington, D.C. : U.S. Dept. of Agriculture, Agricultural Marketing Service, Market Quality Research Division, 1960. "Revision of and supersedes Miscellaneous publication 340, "Market diseases of fruits and vegetables: grapes and other small fruits" by D.H. Rose. - Bibliography: p.28-37. iii, 37 p., 10 p. of plates : col. ill. ; 24 cm. (NAL Call No.: DNAL 1 Ag84Ah no.189).

(PROTECTION OF PLANT PRODUCTS - GENERAL AND MISC.)

0880

p. 689-692. Includes references. (NAL Call No.: 81 S012).

**Postharvest control of Alternaria rot and Rhizopus rot on blueberry, 1981** (Blueberry, highbush (*Vaccinium corymbosum* L. 'Bluecrop'), Alternaria fruit rot; *Alternaria* sp., *Rhizopus* fruit rot; *Rhizopus* sp.).

Burton, C.L. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 42-43. (NAL Call No.: 464.9 AM31R).

0881

**Postharvest decay of blueberries as influenced by water dips and captafol** (*Vaccinium corymbosum*, *Glomerella cingulata*, *Colletorichum gloeosporioides*, *Alternaria* sp.).

Ballinger, W.E. JOSHB. Alexandria : The Society. Journal of the American Society for Horticultural Science. May 1983. v. 108 (3). p. 422-424. Includes references. (NAL Call No.: 81 S012).

0882

**Postharvest handling systems: subtropical fruits.**

Kader, A.A. Berkeley, Calif. : Coop Ext, Univ of California, Div of Agric and Natural Resources, 1985. Postharvest technology of horticultural crops / Adel A. Kadar et al. . p. 152-156. Includes references. (NAL Call No.: DNAL SB319.7.P67).

0883

**Reducing decay in fresh blueberries with controlled atmospheres.**

HJHSA. Ceponis, M.J. Cappellini, R.A. Alexandria, Va. : American Society for Horticultural Science. HortScience. Apr 1985. v. 20 (2). p. 228-229. Includes 7 references. (NAL Call No.: DNAL SB1.H6).

0884

**Scanning electron microscopy of flyspeck of apple, pear, Japanese persimmon, plum, Chinese quince, and pawpaw.**

PLDRA. Nasu, H. Kunoh, H. St. Paul, Minn. : American Phytopathological Society. Plant disease. Apr 1987. v. 71 (4). p. 361-364. ill. Includes references. (NAL Call No.: DNAL 1.9 P69P).

0885

**Temperature sensitivity of avocado fruit in relation to C<sub>2</sub>H<sub>4</sub> (ethylene) treatment (Chilling injury, stored products).**

Lee, S.K. Young, R.E. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Sept 1984. v. 109 (5).

# PROTECTION OF PLANT PRODUCTS - INSECTS

0886

**Effect of postharvest heat treatments for insect control on the quality and market life of avocados.**

HJHSA. Kerbel, E.L. Mitchell, F.G.; Mayer, G. Alexandria, Va. : American Society for Horticultural Science. HortScience. Feb 1987. v. 22 (1). p. 92-94. Includes references. (NAL Call No.: DNAL SB1.H6).

0891

**Tolerance of Florida avocado cultivars to methyl bromide fumigation treatments effective against fruit flies (Tephritidae).**

Witherell, P.C. PFSHA. Spalding, D.H.; Benschoter, C.A. Lake Alfred : The Society. Proceedings of the ... annual meeting - Florida State Horticultural Society. 1982. v. 95. p. 227-229. Includes references. (NAL Call No.: 81 F66).

0887

**Foods of Caulophilus spp. particularly the broadnosed grain weevil, Caulophilus oryzae (Gyllenhal), based on interception records (Coleoptera: Curculionidae: Cossoninae) (Pest of avocado seed and other stored products).**

Whitehead, D.R. Washington, D.C., The Society. Proceedings - Entomological Society of Washington. Jan 1982. v. 84 (1). p. 81-84. 8 ref. (NAL Call No.: 420 W27).

0888

**Insect disinfestation of packed dates by gamma-radiation.**

Ahmed, M.S.H. Hameed, A.A.; Kadhum, A.A.; Ali, S.R. Honolulu : Hawaii Institute of Tropical Agric. & Human Resources, Univ. of Hawaii, Manoa, 1985. Radiation disinfestation of food and agricultural products : proceedings of an international conference, Honolulu, Hawaii, November 14-18, 1983 / edited by James H. Moy. p. 374-380. Includes 10 references. (NAL Call No.: DNAL TP371.8.R284).

0889

**Papayas get into hot water, leave Hawaii.**

AGREA. Whorton, J. Washington, D.C. : The Administration. Agricultural research - U.S. Department of Agriculture, Agricultural Research Service. Feb 1985. v. 33 (2). p. 12. ill. (NAL Call No.: DNAL 1.98 AG84).

0890

**Quarantine procedure for Hawaii papaya, using a hot-water treatment and high-temperature, low-dose ethylene dibromide fumigation.**

JEENA. Couey, H.M. Armstrong, J.W.; Hylin, J.W.; Thornburg, W.; Nakamura, A.N.; Linse, E.S.; Ogata, J.; Vetro, R. College Park, Md. : Entomological Society of America. Journal of economic entomology. Aug 1985. v. 78 (4). p. 879-884. Includes references. (NAL Call No.: DNAL 421 J822).

# WEEDS

0892

**Aerial application of hexazinone for weed control in lowbush blueberry fields (Vaccinium angustifolium).**

Yarborough, D.E. PNWSB. Ismail, A.A. Beltsville : The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1983. (37th). p. 240-247. ill. Includes references. (NAL Call No.: 79.9 N814).

0893

**Asulam for braken control in lowbush blueberry fields (Pteridium aquilinum, herbicide).**

Yarborough, D.E. Ismail, A.A. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. p. 353-355. 8 ref. (NAL Call No.: 79.9 N814).

0894

**Blackberry control with systemic herbicides.**

Peabody, D.V. WA. Pullman, Wash., The Service. EM - Cooperative Extension Service, Washington State University. Washington State University. Cooperative Extension Service. Nov 1979. Nov 1979. (4523). 4 p. ill. (NAL Call No.: 275.29 W27MI).

0895

**Blackberry herbicide evaluations.**

Teasdale, J.R. Galletta, G.J.; Draper, A.D. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1982. v. 36. p. 177-180. (NAL Call No.: 79.9 N814).

0896

**Blueberries--insect, disease, and weed control guide for commercial growers (in Idaho).**

Corvallis : The Service. PNW - Pacific Northwest Extension Publication - Oregon State University, Extension Service. Sept 1983. Sept 1983. (232). 16 p. (NAL Call No.: 275.29 W27PN).

0897

**Bramble commercial pest control**

**recommendations. II.**

Goulart, B. Race, S.; Meade, J.; Springer, J. New Brunswick, N.J. : The Service. FS - Cooperative Extension Service, Cook College. 1987. (252). 2 p. (NAL Call No.: DNAL S544.3.N5F7).

0898

**Bramble spray schedule for home gardens.**

Goulart, B. Springer, J.; Race, S.; Meade, J. New Brunswick, N.J. : The Service. FS - Cooperative Extension Service, Cook College. 1987. (101,rev.). 2 p. (NAL Call No.: DNAL S544.3.N5F7).

0899

**Comparisons of sites infested and not infested with saltcedar (Tamarix pentandra) and Russian olive (Elaeagnus angustifolia) (Pastures, rangeland, Utah, weed control).**

Carman, J.G. Brotherson, J.D. Champaign, Ill., Weed Science Society of America. Weed science. July 1982. v. 30 (4). p. 360-364. ill. 14 ref. (NAL Call No.: 79.8 W41).

0900

**Control of certain resistant weeds in cranberries with fydulan.**

Shawa, A.Y. Pullman : The Center. Research bulletin XB - Washington State University, Agricultural Research Center. 1987. (0992). 4 p. Includes references. (NAL Call No.: DNAL S541.5.W2R47).

0901

**Control of certain resistant weeds in cranberries with fydulan.**

WUEXA. Shawa, A.Y. Pullman, Wash. : The Service. Extension bulletin - Washington State University, Cooperative Extension Service. Apr 1987. (1451). 4 p. Includes references. (NAL Call No.: DNAL 275.29 W27P).

0902

**Control of swamp dodder (Cuscuta gronovii, parasitic weed) on cranberry bogs with butralin.**

Devlin, R.M. Deubert, K.H. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. 1980. v. 34. p. 399-405. ill. 5 ref. (NAL Call No.: 79.9 N814).

0903

**Control of weeds in cranberries (Vaccinium macrocarpon) with glyphosate and terbacil (Phytotoxicity, herbicides, treatment time, Aster subspicatus, Spiraea douglasii, Carex vesicaria).**

Shawa, A.Y. Champaign, Ill., Weed Science Society of America. Weed science. Sept 1980. v. 28 (5). p. 565-568. ill. 12 ref. (NAL Call No.: 79.8 W41).

(WEEDS)

0904

**Control of wild bean on cranberry bogs (Apion americana, weed).**  
Devlin, R.M. Deubert, K.H. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1982. v. 36. p. 97-100. Includes 4 ref. (NAL Call No.: 79.9 N814).

0905

**Cranberry weed control in Wisconsin.**  
Dana, M.N. Binning, L.K.; Stang, E.J. Madison, Wis., The Programs. Publication - Cooperative Extension Programs, University of Wisconsin Extension. Jan 1982. Jan 1982. (A2226). 4 p. ill. (NAL Call No.: S544.3.W6W53).

0906

**A degree day model for predicting the emergence of swamp dodder in cranberry.**  
JOSHB. Bewick, T.A. Binning, L.K.; Yandell, B. Alexandria, Va. : The Society. A simple model that predicts the onset of swamp dodder (*Cuscuta gronovii* Willd. ex R. & S. ~ VCGR) emergence was developed. The use of growing degree days (GDD) with low-temperature thresholds (LT) of 3.3 degrees or 0 degrees C had a better fit as a predictor for the beginning of emergence than either air temperature or soil temperature at a depth of 30 mm alone. This model can be used to time preemergence herbicide applications to coincide with the period of maximum dodder sensitivity, thereby increasing herbicide efficacy. Journal of the American Society for Horticultural Science. Nov 1988. v. 113 (6). p. 839-841. Includes references. (NAL Call No.: DNAL 81 S012).

0907

**An economic evaluation of hexazinone use for weed control in lowbush blueberry production.**  
HJHSA. Hanchar, J.J. Skinner, S.P.; Yarborough, D.E.; Ismail, A.A. Alexandria, Va. : American Society for Horticultural Science. HortScience. June 1985. v. 20 (3, section I). p. 404-405. ill. Includes 5 references. (NAL Call No.: DNAL SB1.H6).

0908

**The effect of glyphosate/growth regulator combinations on blackberry control (*Rubus allegheniensis*, weed control).**  
Stamm, G.K. CASRB. Ashley, R.A. Storrs : The Station. Research report - Storrs Agricultural Experiment Station. April 1982. April 1982. (73). 17 p. Includes references. (NAL Call No.: 100 C76RE).

0909

**Effect of hexazinone on black chokeberry in a lowbush blueberry field.**  
PNWSB. Yarborough, D.E. Beltsville, Md. : The Society. Proceedings of the ... annual meeting - Northeastern Weed Science Society. 1985. v. 39. p. 207-210. Includes 14 references. (NAL Call No.: DNAL 79.9 N814).

0910

**Effect of hexazinone on madowsweet in a lowbush blueberry field.**  
Yarborough, D.E. Ismail, A.A. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1982. v. 36. p. 190-192. Includes 10 ref. (NAL Call No.: 79.9 N814).

0911

**Effect of selective wiper application of 2,4-D or glyphosate on blueberry and black chokeberry yields (Herbicides).**  
Ismail, A.A. Yarborough, D.E. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. p. 152-157. 9 ref. (NAL Call No.: 79.9 N814).

0912

**The effect of time of glyphosate application on the control of blackberries.**  
Stamm, G.K. Ashley, R.A. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. p. 144-146. 3 ref. (NAL Call No.: 79.9 N814).

0913

**Effects of herbicides on new rabbiteye blueberry plantings.**  
Glaze, N.C. SWSPB. Phatak, S.C.; Austin, M.E. Champaign : The Society. Proceedings - Southern Weed Science Society. 1983. 1983. (36th). p. 186-190. Includes references. (NAL Call No.: 79.9 S08).

0914

**Effects of herbicides on newly planted 'Brandywine' purple raspberry.**  
OARCB. Erf, J.A. Funt, R.C. Wooster, Ohio : The Center. Research circular - Ohio Agricultural Research and Development Center. Aug 1984. (283). p. 63-65. Includes 10 references. (NAL Call No.: DNAL 100 OH3R).

(WEEDS)

0915

**Evaluation of herbicides for use in red raspberry production.**

Howard, S.W. Norton, R.A. S.1. : Western Society of Weed Science. Research progress report - Western Society of Weed Science. 1987. p. 114. (NAL Call No.: DNAL 79.9 W52R).

0916

**Field evaluations of herbicides on small fruit and vegetable crops, 1987.**

Talbert, R.E. Johnson, D.H.; Wichert, R.A.; Kendig, J.A. Fayetteville : The Station. Research series - University of Arkansas Agricultural Experiment Station. Nov 1987. (364). 25 p. (NAL Call No.: DNAL S541.5.A8R47).

0917

**Field evaluations of herbicides on small fruit, vegetable and ornamental crops, 1986.**

Talbert, R.E. Johnson, D.H.; Kendig, J.A.; Klingaman, G.L. Fayetteville : The Station. Research series - University of Arkansas Agricultural Experiment Station. Includes statistical data. Nov 1986. (351). 30 p. (NAL Call No.: DNAL S541.5.A8R47).

0918

**Handwiper application of herbicides on birch, maple and willow in a lowbush blueberry field.**

PNWSB. Yarborough, D.E. Beltsville, Md. : The Society. Proceedings of the ... annual meeting - Northeastern Weed Science Society. 1985. v. 39. p. 204-206. illl. Includes 4 references. (NAL Call No.: DNAL 79.9 N814).

0919

**Herbicide abstracts.**

MUCBA. Hull, J. Hanson, E. East Lansing, Mich. : The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. Dec 1986. (E-154). p. 90-94. (NAL Call No.: DNAL 275.29 M58B).

0920

**Herbicides for use in red raspberry plantings.**

ARHMA. Dana, M.N. Stang, E.J. East Lansing, Mich. : The Society. Annual report - Michigan State Horticultural Society. 1986. (116th). p. 164-170. (NAL Call No.: DNAL 81 M58).

0921

**Hexazinone, a promising herbicide for highbush blueberries (Canada).**

Jensen, K.I.N. Alexandria, Va., American Society for Horticultural Science. HortScience. June 1981. v. 16 (3). p. 315-317. 10 ref. (NAL Call No.: SB1.H6).

0922

**Hexazinone and terbacil to suppress weeds in a commercial lowbush blueberry field.**

PNWSB. Hoelper, A.L. Yarborough, D.E. Beltsville, Md. : The Society. Proceedings of the ... annual meeting - Northeastern Weed Science Society. 1985. v. 39. p. 151-156. illl. Includes 11 references. (NAL Call No.: DNAL 79.9 N814).

0923

**Hexazinone on weeds and on lowbush blueberry growth and yield.**

HJHSA. Yarborough, D.E. Ismail, A.A. Alexandria, Va. : American Society for Horticultural Science. HortScience. June 1985. v. 20 (3,sectionI). p. 406-407. Includes references. (NAL Call No.: DNAL SB1.H6).

0924

**Hexazinone pellets for spot treatment of woody weeds in lowbush blueberry fields (Herbicide).**

Yarborough, D.E. Ismail, A.A. Beltsville, Md. : The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. p. 148-151. 8 ref. (NAL Call No.: 79.9 N814).

0925

**Hornenettle control in blueberries.**

Kendig, A. Talbert, R. Fayetteville, Ark. : Arkansas State Horticultural Society. Proceedings of the ... annual meeting - Arkansas State Horticultural Society. 1986. (107th). p. 95-97. (NAL Call No.: DNAL SB21.A7A7).

0926

**Interactions among red raspberries and northern forest trees.**

PNWSB. Lautenschlager, R.A. Beltsville, Md. : The Society. Proceedings of the ... annual meeting - Northeastern Weed Science Society. 1987. v. 41. p. 186-187. Includes references. (NAL Call No.: DNAL 79.9 N814).

(WEEDS)

0927

Lambkill (*Kalmia angustifolia*) control in lowbush blueberry fields with glyphosate and 2,4-D (2,4 dichlorophenoxy acetic acid). Ismail, A. Yarborough, D.E. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. May 1981. v. 106 (3). p. 393-396. 23 ref. (NAL Call No.: 81 S012).

0928

Over-the-top application of selective grass herbicides to control crabgrass in seedling blueberries.

JMSSA. Auer, M.S. Spiers, J.M. Booneville, Miss. : The Academy. Journal of the Mississippi Academy of Sciences. 1987. v. 32. p. 105-108. Includes references. (NAL Call No.: DNAL 500 M697).

0929

Persistence and degradation of the herbicide hexazinone in soils of lowbush blueberry fields in Nova Scotia, Canada. BECTA. Jensen, K.I.N. Kimball, E.R. New York, N.Y. : Springer-Verlag. Bulletin of environmental contamination and toxicology. Feb 1987. v. 38 (2). p. 232-239. Includes references. (NAL Call No.: DNAL RA1270.P35A1).

0930

Raspberries--insect, disease, and weed control guide for commercial growers (in Idaho). Corvallis : The Service. PNW - Pacific Northwest Extension Publication - Oregon State University, Extension Service. Sept 1983. Sept 1983. (233). 16 p. (NAL Call No.: 275.29 W27PN).

0931

Raspberry and blackberry weed management in Michigan.

ARHMA. Bonanno, A.R. East Lansing, Mich. : The Society. Annual report - Michigan State Horticultural Society. 1987. (117th). p. 177-182. (NAL Call No.: DNAL 81 M58).

0932

Raspberry pest control for home gardeners (Diseases, insects, weeds).

Mahr, D.L. Binning, L.K.; Boone, D.M. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. 1983. 1983. (A2128). 4 p. (NAL Call No.: S544.3.W6W53).

0933

Raspberry pest control for home gardeners (Fungicides, insecticides, herbicides). Koval, C.F. WI. Binning, L.K.; Boone, D.M. Madison, Wis., The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. Wisconsin. University. Cooperative Extension Programs. Jan 1980. Jan 1980. (A2128). 2 p. (NAL Call No.: S544.3.W6W53).

0934

Raspberry (*Rubus idaeus L.*) competition effects on balsam fir (*Abies balsamea (L.) Mill.*) seedlings in northern Maine. TPLNA. Fox, T.R. Washington, D.C. : The Service. Tree planters' notes - United States, Forest Service. Spring 1986. v. 37 (2). p. 20-23. Includes 24 references. (NAL Call No.: DNAL 1.962 C5T71).

0935

Response of lowbush blueberry to weed control with atrazine and hexazinone. HJHSA. Jensen, K.I.N. Alexandria, Va. : American Society for Horticultural Science. HortScience. Oct 1986. v. 21 (5). p. 1143-1144. Includes references. (NAL Call No.: DNAL SB1.H6).

0936

Results from a volume delivery/droplet size study with aerially applied glyphosate. PNWSB. Schaertl, G.R. Maass, D.I.; McCormack, M.L. College Park, Md. : The Society. Proceedings of the annual meeting - Northeastern Weed Science Society. Meeting held January, 6-8, 1988, Hartford, Connecticut. 1988. v. 42 (suppl.). p. 68-73. Includes references. (NAL Call No.: DNAL 79.9 N814).

0937

Results of a hexazinone-mechanical site preparation trial.

PNWSB. Reynolds, P.E. MacKay, T.S.; McCormack, M.L. Jr. Beltsville, Md. : The Society. Proceedings of the ... annual meeting - Northeastern Weed Science Society. 1986. v. 40. p. 222A-229. Includes references. (NAL Call No.: DNAL 79.9 N814).

0938

The role of plant pathogens in weed management in advancing countries (Biological control of *Chondrilla juncea* in Australia with *Puccinia chondrillina*, *Ageratina riparia* in Hawaii with *Cercosporalla ageratiniae*, *Rubus constrictus* in Chile with *Phragmidium vistaceum*, fungus

(WEEDS)

pathogens).

Templeton, G.E. Smith, R.J. Jr. Rome, Italy : Food and Agriculture Organization of the United Nations. FAO plant production and protection paper. 1982/1983. Paper presented at the FAO/IWSS Expert Consultation on Improving Weed Management in Developing Countries, Rome, 6-10 September 1982 ~Literature review. 1982/1983. (44). p. 85-90. Includes references. (NAL Call No.: SB13.F6).

0939

Sand blackberry (*Rubus cuneifolius*) control and perennial grass recovery.

Mislevy, P. Wilson, R.H.; Hall, D.W. S.I. : The Society. Proceedings - Soil and Crop Science Society of Florida. 1987. v. 46. p. 64-67. Includes references. (NAL Call No.: DNAL 56.9 S032).

0940

Selective application of herbicides for aspen control in lowbush blueberries (*Populus tremuloides*).

Yarborough, D.E. Ismail, A.A. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1982. v. 36. p. 193-198. ill. Includes 9 ref. (NAL Call No.: 79.9 N814).

0941

Significance of nutritive cell in insect galls. PESWA. Shorthouse, J.D. Washington, D.C. : The Society. Proceedings of the Entomological Society of Washington. Paper presented at the "Symposium on Insect-Caused Galls," Dec. 11, 1985, Hollywood, Florida. Apr 1986. v. 88 (22). p. 368-375. ill. Includes references. (NAL Call No.: DNAL 420 W27).

0942

Slow-release herbicide formulation for weed control in container-grown plants (*Forsythia*, *cranberry cotoneaster*).

Koncal, J.J. Gorske, S.F.; Fretz, T.A. Alexandria, Va., American Society for Horticultural Science. HortScience. Feb 1981. v. 16 (1). p. 83-84. 6 ref. (NAL Call No.: SB1.H6).

0943

Susceptibility of *Psidium guajava* selections to injury by *Cephaleuros* sp. (Algae).

Mariatt, R.B. Campbell, C.W. St. Paul, Minn., American Phytopathological Society. Plant disease. Nov 1980. v. 64 (11). p. 1010-1011. ill. 4 ref. (NAL Call No.: 1.9 P69P).

0944

Treatment of bracken fern with asulam in lowbush blueberry yields.

PNWSB. Yarborough, D.E. Ismail, A.A. Beltsville, Md. : The Society. Proceedings of the ... annual meeting - Northeastern Weed Science Society. Jan 1984. v. 38. p. 168-171. ill. Includes 11 references. (NAL Call No.: DNAL 79.9 N814).

0945

Treatment of currants and cherries to prevent spot diseases / L.H. Pammel, G.W. Carver. Squirrel-tail grass or wild barley, (*Hordeum jubatum* L.) / by L.H. Pammel. The chemical composition of Squirrel-tail grass / J.B. Weems, W.H. Heileman.

Pammel, L. H. 1862-1931. Carver, George Washington, 1864?-1943.; Weems, J. B.; Heileman, W. H. Ames, Iowa : Experiment Station, Iowa Agricultural College, 1895. Caption title. p. 289-321 : ill. ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 100 I09 no.30).

0946

Uptake, translocation, and metabolism of hexazinone in blueberry (*Vaccinium* sp.) and hollow goldenrod (*Solidago fistulosa*).

WEESA6. Baron, J.J. Monaco, T.J. Champaign, Ill. : Weed Science Society of America. Weed science. Nov 1986. v. 34 (6). p. 824-829. Includes references. (NAL Call No.: DNAL 79.8 W41).

0947

Use of glyphosate (a non-selective herbicide) on cranberry bogs and its extraction from cranberries (Control of *Juncus effusus*, *Solidago tenuifolia*, *Scirpus americanus*, *Aster novi-belgii*, residue analysis).

Devlin, R.M. Deubert, K.H. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. 1980. v. 34. p. 275-280. ill. 3 ref. (NAL Call No.: 79.9 N814).

0948

Weed control experiments in small fruits (blueberries, strawberries, grapes) on Long Island.

Selleck, G.W. Creighton, J.F.; Sanok, W.J. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society.Northeastern Weed Science Society. 1980. v. 34. p. 271-274. ill. (NAL Call No.: 79.9 N814).

(WEEDS)

0949

**Weed control in cranberries.**  
WA. Pullman, Wash., The Service. EM - Cooperative Extension Service, Washington State University. Washington State University. Cooperative Extension Service. Jan 1980. Jan 1980. (4267). 6 p. (NAL Call No.: 275.29 W27MI).

0950

**Weed control in cranberry bogs (Western Washington).**

Shawa, A. WUEXA. Peabody, D.V. Pullman : The Service. Extension Bulletin - Washington State University, Cooperative Extension Service. Feb 1983. Feb 1983. (1098). 3 p. (NAL Call No.: 275.29 W27P).

0951

**Weed control in elderberries (*Sambucus canadensis*) with simazine.**

Curtis, O.F. Jr. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. 1980. v. 34. p. 267-269. ill. 2 ref. (NAL Call No.: 79.9 N814).

0952

**Weed control in lowbush blueberries with atrazine.**

PNWSB. Yarborough, D.E. Beltsville, Md. : The Society. Proceedings of the ... annual meeting - Northeastern Weed Science Society. 1987. v. 41. p. 150-154. Includes references. (NAL Call No.: DNAL 79.9 N814).

0953

**Weed control in lowbush blueberries with hexazinone (Herbicides, abstract only).**

Jensen, K. Doohan, D.; Thomson, J. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. p. 147. p. 147. (NAL Call No.: 79.9 N814).

0954

**Weed control in Northcountry blueberry, with preemergence herbicides.**

FVRJA. Hertz, L.B. Wildung, D.K. University Park, Pa. : American Pomological Society. Fruit varieties journal. Oct 1985. v. 39 (4). p. 34-37. Includes 13 references. (NAL Call No.: DNAL 80 F9464).

0955

**Weed control in small fruits.**

Derr, J.F. Blacksburg, Va. : Extension Division, Virginia Polytechnic Institute and State University. Publication - Virginia Cooperative Extension Service. In the series analytic: 1988-89 pest management guide for commercial small fruit production / coordinated by J.M. Luna. Jan 1988. (456-005, rev.). p. 9-11. (NAL Call No.: DNAL S544.3.V8V52).

0956

**Weed control in small fruits.**

Talbert, R.E. Johnson, D. Jr. Fayetteville, Ark. : Arkansas State Horticultural Society. Proceedings of the ... annual meeting - Arkansas State Horticultural Society. Paper presented at the "106th Annual Meeting of the Arkansas State Horticultural Society," November 13 and 14, 1985, Fort Smith, Arkansas. 1985. (106). p. 188-189. (NAL Call No.: DNAL SB21.A7A7).

0957

**Weed control in small fruit (Grapes, blackberries, blueberries).**

Campbell, R.E. Greer, H.L. Stillwater : The Service. OSU extension facts - Cooperative Extension Service, Oklahoma State University. Feb 1983. Feb 1983. (6213). 2 p. (NAL Call No.: S544.3.0505).

0958

**Weed control recommendations for orchards, vineyards and small fruit plantings.**

MUCBA. Hull, J. Hanson, E. East Lansing, Mich. : The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. In the series analytic: 1987 Fruit Spraying Calendar / edited by A.J. Howitt, A.L. Jones and J. Hull. ~ Includes statistical data. Dec 1, 1986. (154, rev.). p. 71-77. (NAL Call No.: DNAL 275.29 M58B).

0959

**Weed efficacy after site prep with liquid and dry-flowable hexazinone formulations.**

PNWSB. Pitt, D.G. Reynolds, P.E.; Roden, M.J. College Park, Md. : The Society. Proceedings of the annual meeting - Northeastern Weed Science Society. Meeting held January, 6-8, 1988, Hartford, Connecticut. 1988. v. 42 (suppl.). p. 58-62. Includes references. (NAL Call No.: DNAL 79.9 N814).

0960

**Weed efficacy and crop tolerance after site prep with liquid and granular hexazinone formulations.**

PNWSB. Reynolds, P.E. Pitt, D.G.; Roden, M.J. College Park, Md. : The Society. Proceedings of the annual meeting - Northeastern Weed Science Society. Meeting held January, 6-8, 1988, Hartford, Connecticut. 1988. v. 42 (suppl.). p. 74-78. Includes references. (NAL Call No.: DNAL 79.9 N814).

0961

**Weed management in blackberries and raspberries.**

Boyd, J.W. Little Rock, Ark. : The Service. Fact sheet - University of Arkansas, Cooperative Extension Service. Apr 1988. (2041). 3 p. (NAL Call No.: DNAL S541.5.A8F33).

0962

**Weed response, yield, and economics of hexazinone and nitrogen use in lowbush blueberry production.**

WEESA6. Yarborough, D.E. Hanchar, J.J.; Skinner, S.P.; Ismail, A.A. Champaign, Ill. : Weed Science Society of America. Weed science. Sept 1986. v. 34 (5). p. 723-729. Includes references. (NAL Call No.: DNAL 79.8 W41).

0963

**Western Washington weed control guide: Weed control in cranberry bogs.**

WUEXA. Shawa, A. Peabody, D.V. Pullman, Wash. : The Service. Extension bulletin - Washington State University, Cooperative Extension Service. Feb 1983. (1098). 3 p. (NAL Call No.: DNAL 275.29 W27P).

0964

**Wild bean control on cranberry bogs with maleic hydrazide (*Apion americana*, herbicide).**

Devlin, R.M. Demoranville, I.E. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. p. 349-352. 2 ref. (NAL Call No.: 79.9 N814).

0965

**1988 small fruits. Insect, disease, and weed control recommendations.**

McVay, J.R. Gazaway, W.S.; Patterson, M.G. Auburn, Ala. : The Service. Circular ANR - Cooperative Extension Service, Auburn University. In subseries: Integrated Pest Management. Nov 1987. (478). 16 p. (NAL Call No.: DNAL S544.3.A2C47).

# PESTICIDES - GENERAL

0966

Accumulation of MSMA (organic arsenical herbicide) in the fruit of blackberry (*Rubus* sp.).

Anderson, A.C. Abdelghani, A.A.; Hughes, J.; Mason, J.W. New York, Marcel Dekker. *Journal of environmental science and health. Part B. Pesticides, food contaminants, and agricultural wastes.* 1980. v. 15 (3). p. 247-258. ill. 9 ref. (NAL Call No.: TD172.J61).

0967

Biodegradation of metalaxyl in avocado soils.

PHYTAJ. Bailey, A.M. Coffey, M.D. St. Paul, Minn. : American Phytopathological Society. *Phytopathology.* Feb 1985. v. 75 (2). p. 135-137. ill. Includes 12 references. (NAL Call No.: DNAL 464.8 P56).

0968

Characteristics of the sorption of chlorothalonil and azinphos-methyl to a soil from a commercial cranberry bog.

BECTA6. Reduker, S. Uchrin, C.G.; Winnett, G. New York, N.Y. : Springer-Verlag. *Bulletin of environmental contamination and toxicology.* Nov 1988. v. 41 (5). p. 633-641. Includes references. (NAL Call No.: DNAL RA1270.P35A1).

0969

Covalent binding of chlorophenoxyacetic acids to plant cuticles.

AECTC. Riederer, M. Schonherr, J. New York, N.Y. : Springer-Verlag. *Archives of environmental contamination and toxicology.* Jan 1986. v. 15 (1). p. 97-105. ill. Includes references. (NAL Call No.: DNAL TD172.A7).

0970

Cranberry insect and disease control program, 1985.

WUEXA. Shawa, A.Y. Shanks, C. Bristow, P.R. Pullman, Wash. : The Service. *Extension Bulletin - Washington State University, Cooperative Extension Service.* Mar 1985. (1845, rev.). 4 p. (NAL Call No.: DNAL 275.29 W27P).

0971

Degradation of parathion in culture by microorganisms found in cranberry bogs.

Gorder, G.W. Lichtenstein, E.P. Ottawa, National Research Council of Canada. *Canadian journal of microbiology.* = *Journal canadien de microbiologie.* Apr 1980. v. 26 (4). p. 475-481. ill. 15 ref. (NAL Call No.: 448.8 C162).

0972

Derivatization and cleanup improvements in determination of residues of glyphosate and aminomethylphosphonic acid in blueberries (Herbicide).

Guinivan, R.A. Thompson, N.P.; Wheeler, W.B. Arlington, Va., The Association. *Journal of the Association of Official Analytical Chemists.* Jan 1982. v. 65 (1). p. 35-39. ill. Includes 30 ref. (NAL Call No.: 381 AS7).

0973

Effect of malathion-bait sprays on biological control of insect pests of olive, citrus, and walnut / L.E. Ehler and P.C. Endicott. - Ehler, L. E. (Berkeley) University of California, Division of Agriculture and Natural Resources 1984. "April 1984" ~Cover title. 47 p. : ill. ; 26 cm. --. Bibliography: p. 46-47. (NAL Call No.: 100 C12H v.52 no.5).

0974

Effects of selected fungicides, insecticides, and adjuvants on in vitro germination of highbush blueberry pollen.

PLDRA. Bristow, P.R. Windom, G.E. St. Paul, Minn. : American Phytopathological Society. *Plant disease.* Apr 1987. v. 71 (4). p. 326-327. Includes references. (NAL Call No.: DNAL 1.9 P69P).

0975

Effects of triforine (used to control *Monilinia vaccinii-corymbosi*, mummy berry) on pollen germination and fruit set in highbush blueberry (*Vaccinium corymbosum* cultivars, Inhibition). Bristow, P.R. St. Paul, Minn., American Phytopathological Society. *Plant disease.* Apr 1981. v. 65 (4). p. 350-353. ill. 21 ref. (NAL Call No.: 1.9 P69P).

0976

Evaluation of herbicides for use in red raspberry production.

Howard, S.W. Norton, R.A. S.I. : Western Society of Weed Science. *Research progress report - Western Society of Weed Science.* 1987. p. 114. (NAL Call No.: DNAL 79.9 W52R).

0977

Field evaluation of herbicides on small fruit and vegetable crops, 1983 /by R.E. Talbert ... et al. . --.

Talbert, R. E. Fayetteville : Agricultural Experiment Station, Division of Agriculture, University of Arkansas, Fayetteville, 1984. "May 1985." ~ Caption title. 31 leaves ; 28 cm. --. (NAL Call No.: DNAL 100 Ar42M no.324).

(PESTICIDES - GENERAL)

0978

**Glyphosate residues on avocado (Herbicide, *Persea americana*).**  
Thompson, N.P. Lynch, A.A.; Bardalaye, P.C.; Phillips, R.L. s.l., The Society. Proceedings of the ... annual meeting of the Florida State Horticultural Society. 1980 (pub 1981). v. 93. p. 159-160. ill. 1 ref. (NAL Call No.: 81 F66).

0979

**Growth inhibition from guava root exudates (Psidium guajava, allelopathy, glyphosate application).**  
Brown, R.L. HUHSA. Tang, C.S.; Nishimoto, R.K. Alexandria : American Society for Horticultural Science. HortScience. June 1983. v. 18 (3). p. 316-318. ill. Includes references. (NAL Call No.: SB1.H6).

0980

**Impact of certain pesticides on avocado (Phytotoxicity).**  
Sances, F.V. CAVYA. Ting, I.P.; Hogenson, R.O.; McDonald, J.E. Saticoy : The Society. Yearbook - California Avocado Society. 1982. v. 66. p. 145-147, 149-151, 153-154. ill. Includes references. (NAL Call No.: 81 C128).

0981

**Impact of ten spray adjuvants on leaf gas exchange of pecan, blueberry, photinia, and azalea.**  
HUHSA. Andersen, P.C. Mizell, R.F. III; Knox, G.W. Alexandria, Va. : American Society for Horticultural Science. HortScience. Apr 1988. v. 23 (2). p. 343-345. Includes references. (NAL Call No.: DNAL SB1.H6).

0982

**Interactions between agricultural chemicals (fungicides, herbicides, fertilizers) and soil microflora and their effects on the degradation of (14C)(carbon isotope) parathion in a cranberry soil.**

Ferris, I.G. Lichtenstein, E.P. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Sept/Oct 1980. v. 28 (5). p. 1011-1019. ill. 23 ref. (NAL Call No.: 381 J8223).

0983

**Levels of dichlorvos on Calimyrna figs (Residue, insecticide, acaricide).**  
Archer, T.E. Alexandria, Va., American Society for Horticultural Science. HortScience. Oct 1981. v. 16 (5). p. 659-660. 2 ref. (NAL Call No.: SB1.H6).

0984

**A method for determining fenamiphos and its sulfoxide and sulfone in plants and soil (Nematocide-insecticide residues in soil, raspberries, carrots).**  
Brown, M.J. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Nov/Dec 1981. v. 29 (6). p. 1129-1132. ill. 5 ref. (NAL Call No.: 381 J8223).

0985

**Method for the preliminary assessment of aquatic contamination sites using sediment extract toxicity tests.**  
BECTA6. Larson, L.J. New York, N.Y. : Springer-Verlag. Bulletin of environmental contamination and toxicology. Feb 1989. v. 42 (2). p. 218-225. maps. Includes references. (NAL Call No.: DNAL RA1270.P35A1).

0986

**N (nitrogen)-demethylation of p (para)-chloro-N-methylaniline catalyzed by subcellular fractions from the avocado pear (*Persea americana*) (Pesticide oxidation).**  
Dohn, D.R. Krieger, R.I. New York, N.Y. : Academic Press. Archives of biochemistry and biophysics. June 1984. v. 231 (2). p. 416-423. ill. Includes references. (NAL Call No.: 381 AR2).

0987

**On-site pesticide disposal at chemical control centers (Small fruit farms).**  
Spittler, T.D. Bourke, J.B.; Baker, P.B.; Dewey, J.E.; DeRue, T.K.; Winkler, F. Washington, D.C. : The Society. ACS Symposium series - American Chemical Society. 1984. 1984. (259). p. 117-124. ill. Includes 3 references. (NAL Call No.: QD1.A45).

0988

**Protect berry-pollinating bees (from hazardous insecticides).**  
Shanks, C.H. Johansen, C.; Antonelli, A. Pullman, Wash., The Service. Extension bulletin - Washington State University, Cooperative Extension Service. July 1981. July 1981. (0925). 2 p. ill. (NAL Call No.: 275.29 W27P).

0989

**The raspberry crown borer - and its control / (R.G. Rosenstiel).** -.  
Rosenstiel, R. G. Corvallis Agricultural Experiment Station, Oregon State University 1978. Integrated Pest Management/Pesticide Applicator Training Collection ~Cover title. 1

(PESTICIDES - GENERAL)

folded sheet (6 p.) : ill. ; 23 cm. --. (NAL Call No.: 100 Or3C no.615 1978).

0990

**Raspberry pest control for home gardeners.**  
Mahr, D. L. Binning, L. K.; Boone, D. M. & Urban phytonarian series. 1981. This publication gives general suggestions for pest control for raspberry home gardeners. It also gives disease and insect spraying guide and a herbicide spraying guide. Document available from: Agricultural Bulletin Building, 1535 Observatory Drive, University of Wisconsin, Madison, WI 53706. 3 p. (NAL Call No.: A2128).

0991

**Response of lowbush blueberry to weed control with atrazine and hexazinone.**  
HUHSA. Jensen, K.I.N. Alexandria, Va. : American Society for Horticultural Science. HortScience. Oct 1986. v. 21 (5). p. 1143-1144. Includes references. (NAL Call No.: DNAL SB1.H6).

0992

Scientists (Dr. Emil Mrak, chancellor emeritus, University of California, Davis; Dr. Thomas H. Jukes, professor of Medical Physics, University of California, Berkeley; and Mr. Dale Cannon, associate professor of Agriculture Engineering, University of Arizona, Phoenix) denounce geographic article ("The Pesticide Dilemma" on page 145 of the February issue on the National Geographic magazine). San Francisco, California Farmer. Agrichemical age. Aug/Sept 1980. v. 24 (8). p. 9-11. 1 ref. (NAL Call No.: 381 AG85).

0993

**Simultaneous determination of fenitrothion and aminocarb in blueberry foliage and fruits: Application to the analysis of residues in field samples.**  
JPFC2. Sundaram, K.M.S. Boyonoski, N.; Wing, R.W.; Cadogan, B.L. New York, N.Y. : Marcel Dekker. Journal of environmental science and health. Part B. Pesticides, food contaminants, and agricultural wastes. 1987. v. B22 (5). p. 565-578. Includes references. (NAL Call No.: DNAL TD172.J61).

0994

**The split block: a useful design for extension and research in lowbush blueberries.**  
HUHSA. Hepler, P.R. Ismail, A.A. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug 1985. v. 20 (4). p. 735-737. Includes 13 references. (NAL Call No.: DNAL SB1.H6).

0995

**Training manual for pesticide applicator certification in Massachusetts : private applicator specialty: cranberries. -.**  
(Amherst, Mass.) University of Massachusetts, Extension Service, Dept. of Entomology 1982. Cover title ~Pesticide Applicator Training collection ~Cat. no. 30. 26 p. ; 28 cm. --. (NAL Call No.: SB608.C87T7 1982).

0996

**Training manual for pesticide applicator certification in Massachusetts : private applicator specialty: small fruits / as revised by Karen Hauschild. -.**  
Hauschild, Karen. (Amherst, Mass.) University of Massachusetts, Extension Service 1982. Cover title ~Pesticide Applicator Training collection ~Cat. no. 27. 31 p. ; 28 cm. --. (NAL Call No.: SB608.F8H37 1982).

0997

**The use of captan to extend shelf-life of refrigerated blueberries.**  
RRMSD. Silva, J.L. Matta, F.B.; Garner, J.O.; Anderson, J.F. Mississippi State, Miss. : The Station. Research report - Mississippi Agricultural and Forestry Experiment Station. June 1987. v. 12 (16). 3 p. Includes references. (NAL Call No.: DNAL S79.E37).

0998

**Use of glyphosate (a non-selective herbicide) on cranberry bogs and its extraction from cranberries (Control of *Juncus effusus*, *Solidago tenuifolia*, *Scirpus americanus*, *Aster novi-belgii*, residue analysis).**  
Devlin, R.M. Deubert, K.H. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. 1980. v. 34. p. 275-280. ill. 3 ref. (NAL Call No.: 79.9 N814).

0999

**1981 cranberry insect and disease control program (Pesticides, toxicity, injuries).**  
Shawa, A.Y. Shanks, C.; Bristow, P.R. Pullman, Wash., The Service. Extension bulletin - Washington State University, Cooperative Extension Service. Mar 1981. Mar 1981. (2463). 4 p. (NAL Call No.: 275.29 W27P).

# SOIL BIOLOGY

1000

**Degradation of parathion in culture by microorganisms found in cranberry bogs.**  
Gorder, G.W. Lichtenstein, E.P. Ottawa,  
National Research Council of Canada. Canadian  
journal of microbiology. = Journal canadien de  
microbiologie. Apr 1980. v. 26 (4). p. 475-481.  
ill. 15 ref. (NAL Call No.: 448.8 C162).

1001

**The effect of selected soil factors on growth and nutrient content of highbush blueberry (*Vaccinium corymbosum* L.) (Mycorrhiza, mineral nutrients, organic matter).**  
Reich, L.A. Korcak, R.F.; Thompson, A.H.  
Alexandria, The Society. Journal of the  
American Society for Horticultural Science.  
Sept 1982. v. 107 (5). p. 943-946. ill. 12 ref.  
(NAL Call No.: 81 S012).

1002

**Effects of two mycorrhizal isolates on highbush blueberry at two soil pH levels (*Vaccinium corymbosum*).**  
Reich, L.A. Korcak, R.F.; Thompson, A.H.  
Alexandria, Va., American Society for  
Horticultural Science. HortScience. Aug 1982.  
v. 17 (4). p. 642-644. ill. 15 ref. (NAL Call  
No.: SB1.H6).

# SOIL CHEMISTRY AND PHYSICS

1003

**Effect of potting medium temperatures on release curves of slow-release fertilizers in the presence of *Ficus benjamina*.**

Conover, C.A. Poole, R.T. S.l. : The Society. Proceedings of the ... annual meeting of the Florida State Horticulture Society. Aug 1988. v. 100. p. 357-360. Includes references. (NAL Call No.: DNAL SB319.2.F6F56).

1004

**Effects of magnesium and potassium soil applications on yields and leaf nutrient concentrations of red raspberries and on soil analyses (*Rubus idaeus*).**

Kowalenko, C.G. New York, Marcel Dekker. Communications in soil science and plant analysis. 1981. v. 12 (8). p. 795-809. ill. 15 ref. (NAL Call No.: S590.C63).

1005

**Highbush blueberry nutrition.**

Clark, J.R. Fayetteville, Ark. : Arkansas State Horticultural Society. Proceedings of the ... annual meeting - Arkansas State Horticultural Society. Paper presented at the "106th Annual Meeting of the Arkansas State Horticultural Society," November 13 and 14, 1985, Fort Smith, Arkansas. 1985. (106). p. 156-159. (NAL Call No.: DNAL SB21.A7A7).

1006

**Mulch and irrigation placement effects on soil chemistry properties and rabbiteye blueberry plants irrigated with sodic water.**

JOSHB. Patten, K.D. Neuendorff, E.W.; Leonard, A.T.; Haby, V.A. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Jan 1988. v. 113 (1). p. 4-8. Includes references. (NAL Call No.: DNAL 81 S012).

1007

**Satisfying and altering edaphic requirements for acidophilic plants.**

JPNUDS. Korcak, R.F. New York, N.Y. : Marcel Dekker. Journal of plant nutrition. Paper presented at the "Tenth International Plant Nutrition Colloquium," August 4-9, 1986, Beltsville, Maryland. 1987. v. 10 (9116). p. 1071-1078. Includes references. (NAL Call No.: DNAL QK867.J67).

# SOIL FERTILITY - FERTILIZERS

1008

## Comparison of two nitrogen fertilizer sources for highbush blueberries.

HJHSA. Brown, G.R. Wolfe, D.; Rasnake, M. Alexandria, Va. : American Society for Horticultural Science. HortScience. Apr 1988. v. 23 (2). p. 314-315. Includes references. (NAL Call No.: DNAL SB1.H6).

ill. 11 ref. (NAL Call No.: S590.C63).

1009

## Cranberry growth related to tissue phosphorus and nitrogen concentrations and soil test phosphorus / by Ted Greidanus. -

Greidanus, Ted, 1940-. 1971. Thesis (Ph.D.)--University of Wisconsin, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. iv, 72 leaves ; 21 cm. Includes bibliographies. (NAL Call No.: DISS 71-25,190).

1014

## The effect of nitrogen and boron soil applications on raspberry leaf N, B and Mn (Nitrogen, boron, manganese) concentrations and on selected soil analyses.

Kowalenko, C.G. New York, Marcel Dekker. Communications in soil science and plant analysis. 1981. v. 12 (11). p. 1163-1179. ill. Includes 12 ref. (NAL Call No.: S590.C63).

1010

## Effect of an acidified iron-sulfur-rich mining residue (iron-sul) on soil and plant nutrient relationships in drip-irrigated raspberry and strawberry.

Nelson, S.D. Jolley, V.D. New York, N.Y. : Marcel Dekker. Journal of plant nutrition. 1984. Presented at the "Second International Symposium on Iron Nutrition and Interactions in Plants," August 2-5, 1983, Utah State University, Logan. v. 7 (1/5). p. 251-257. Includes references. (NAL Call No.: QK867.J67).

1015

## The effect of organic amendments on lowbush blueberry production.

Warman, P.R. St. Joseph, Mich. : American Society of Agricultural Engineers, c1985. Agricultural waste utilization and management : proceedings of the Fifth International Symposium on Agricultural Wastes, December 16-17, 1985, Hyatt Regency Chicago, Illinois Center, Chicago, Illinois. p. 418-425. Includes references. (NAL Call No.: DNAL TD930.157 1985).

1011

## Effect of fertilizer rate on growth of *Ficus lyrata* and susceptibility to *Pseudomonas cichorii*.

HJHSA. Chase, A.R. Alexandria, Va. : American Society for Horticultural Science. HortScience. Feb 1988. v. 23 (1). p. 151-152. Includes references. (NAL Call No.: DNAL SB1.H6).

1016

## Effect of potting medium temperatures on release curves of slow-release fertilizers in the presence of *Ficus benjamina*.

Conover, C.A. Poole, R.T. S.I. : The Society. Proceedings of the ... annual meeting of the Florida State Horticulture Society. Aug 1988. v. 100. p. 357-360. Includes references. (NAL Call No.: DNAL SB319.2.F6F56).

1012

## Effect of iron chelate on mineral content of highbush blueberry leaves.

AKFRAC. Clark, J.R. Dombek, D.G.; Buckley, J.B. Fayetteville, Ark. : The Station. Arkansas farm research - Arkansas Agricultural Experiment Station. Mar/Apr 1987. v. 36 (2). p. 4. (NAL Call No.: DNAL 100 AR42F).

1017

## The effect of the ericoid mycorrhizal fungus *Pezizella ericae* (Read) on the growth and nutrition of seedlings of blueberry (*Vaccinium corymbosum* L.) (Fertilizer, root infection).

Powell, C.L. JOSHB. Alexandria : The Society. Journal of the American Society for Horticultural Science. Nov 1982. v. 107 (6). p. 1012-1015. 13 ref. (NAL Call No.: 81 S012).

1013

## The effect of nitrogen and boron fertilizer applications on leaf levels, yield and fruit size of the red raspberry (Foliar diagnosis).

Chaplin, M.H. Martin, L.W. New York, Marcel Dekker. Communications in soil science and plant analysis. 1980. v. 11 (6). p. 547-556.

1018

## The effect of two mycorrhizal fungi (isolates of *Glomus fasciculatus*) upon growth and nutrition of avocado seedlings grown with six fertilizer treatments.

Menge, J.A. LaRue, J.; Labanauskas, C.K.; Johnson, E.L.V. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. American Society for Horticultural Science. May 1980. v. 105 (3). p. 400-404. ill. 22 ref. (NAL Call No.: 81 S012).

## (SOIL FERTILITY - FERTILIZERS)

1019

**Effects of high temperature, fertilization, and irrigation on growth and leaf elemental contents of newly established rabbiteye blueberries.**

Basiouny, F.M. Powell, A.A. s.l. : The Society. Proceedings of the ... annual meeting of the Florida State Horticulture Society. 1986. v. 98. p. 155-158. Includes references. (NAL Call No.: DNAL SB319.2.F6F56).

1020

**Effects of soil-applied elemental sulfur, aluminum sulfate, and sawdust on growth of rabbiteye blueberries.**

JOSHB. Peterson, D.V. Mullins, C.A.; Lietzke, D.A.; Deyton, D.E. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. July 1987. v. 112 (4). p. 612-616. Includes references. (NAL Call No.: DNAL 81 S012).

1021

**Effects of various rates of Osmocote on the growth of hardwood blueberry cuttings (Plant nutrition, fertilizers).**

Tate, B. Whitcomb, C.E. Stillwater, Okla. : The Station. Research report P - Agricultural Experiment Station, Oklahoma State University. Oct 1983. Oct 1983. (843). p. 24-25. ill. (NAL Call No.: 100 OK4M).

1022

**Farmyard manure and chemical fertilizers as a source of nutrients for raspberry (*Rubus idaeus*, Canada).**

Cheng, B.T. New York, N.Y., Marcel Dekker. Communications in soil science and plant analysis. 1982. v. 13 (8). p. 633-644. 22 ref. (NAL Call No.: S590.C63).

1023

**Figs in the home garden. II. Culture and management problems.**

Hopfinger, J.A. New Brunswick, N.J. : The Service. FS - Cooperative Extension Service, Cook College. 1987. (189). 2 p. (NAL Call No.: DNAL S544.3.N5F7).

1024

**Flowering response of 'Heritage' red raspberry to temperature and nitrogen.**

Lockshin, L.S. Elfving, D.C. Alexandria, Va., American Society for Horticultural Science. HortScience. Aug 1981. v. 16 (4). p. 527-528. 15 ref. (NAL Call No.: SB1.H6).

1025

**Hints on growing blueberries.**

MUCBA. Hanson, E.J. Hancock, J.F. East Lansing, Mich. : The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. Includes statistical data. Feb 1988. (2066). 8 p. ill. Includes references. (NAL Call No.: DNAL 275.29 M58B).

1026

**Influence of lime and sulfur soil additions on growth, yield, and leaf nutrient content of rabbiteye blueberry (*Vaccinium ashei*, plant nutrition, Missouri).**

Spiers, J.M. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. July 1984. v. 109 (4). p. 559-562. ill. Includes 15 references. (NAL Call No.: 81 S012).

1027

**Influence of N, K, and Na (nitrogen, potassium, sodium) concentration on growth and leaf element content of "Tifblue" rabbiteye blueberry (Nutrition, *Vaccinium ashei*, fertilizer levels).**

Spiers, J.M. HJHSA. Alexandria : American Society for Horticultural Science. HortScience. Apr 1983. v. 18 (2). p. 223-224. Includes references. (NAL Call No.: SB1.H6).

1028

**Leaf potassium content and yield in the highbush blueberry.**

HJHSA. Hancock, J.F. Nelson, J. Alexandria, Va. : American Society for Horticultural Science. HortScience. Oct 1988. v. 23 (5). p. 857-858. Includes references. (NAL Call No.: DNAL SB1.H6).

1029

**A lysimeter study directed at nutrient uptake by the acid-tolerant lowbush blueberry.**

CSOSA2. Warman, P.R. New York, N.Y. : Marcel Dekker. Communications in soil science and plant analysis. May/Sept 1988. v. 19 (7/12). p. 1031-1040. Includes references. (NAL Call No.: DNAL S590.C63).

1030

**Manage avocado tree growth.**

Whiley, W.W. Saranah, J.B.; Cull, B.W.; Pegg, K.G. Fallbrook, Calif. : Rancher Publications. California grower. June 1988. v. 12 (6). p. 5, 9-10, 12-14, 19-20. (NAL Call No.: DNAL SB379.A9A9).

(SOIL FERTILITY - FERTILIZERS)

1031

An observation of nutrient levels in old, unfertilized rabbiteye blueberry plants (*Vaccinium ashei*, soil-plant chemical analyses).

Austin, M.E. Gaines, T.P. Alexandria, Va. : American Society for Horticultural Science. HortScience. June 1984. v. 19 (3, sec. 1). p. 417-418. Includes references. (NAL Call No.: SB1.H6).

1032

Plant and soil effects of fertilizer application to highbush blueberries (*Vaccinium corymbosum*, L.) variety Wolcott / by Kian Djiang Kwik. -.

Kwik, Kian Djiang, 1932-. 1971. Thesis (Ph.D.)--North Carolina State University at Raleigh, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. viii, 60 leaves ; 21 cm. Includes bibliographies. (NAL Call No.: DISS 71-24,339).

1033

Rabbiteye blueberry nutrition.

Clark, J.R. Fayetteville, Ark. : Arkansas State Horticultural Society. Proceedings of the ... annual meeting - Arkansas State Horticultural Society. 1986. (107th). p. 97-101. (NAL Call No.: DNAL SB21.A7A7).

1034

Soil is said to influence biological control efforts (on root rot, caused by *Phytophthora cinnamomi* in avocados).

Borst, G. Vista, Calif. : Rancher Pub. Avocado grower. Aug 1983. v. 7 (8). p. 34-35. Includes references. (NAL Call No.: SB379.A9A9).

# SOIL CULTIVATION

1035

**Observations on a biological root rot control trial in the Fallbrook area.**  
CAVYA. Borst, G. Saticoy, Calif. : The Society. Yearbook - California Avocado Society. 1986. v. 70. p. 107-110. ill. Includes references. (NAL Call No.: DNAL 81 C128).

1036

**Root distribution of 'Climax' rabbiteye blueberry as affected by mulch and irrigation geometry.**  
JOSHB. Patten, K.D. Neuendorff, E.W.; Peters, S.C. Alexandria, Va. : The Society. We studied the horizontal and vertical root distribution of 3-year-old 'Climax' rabbiteye blueberry (*Vaccinium ashei* Reade) in a sandy loam soil. Root density decreased logarithmically in the horizontal direction from the crown and linearly with depth. Ninety percent of the roots were within 0 to 0.38 m from the crown and 0 to 0.45 m depth. Roots spread more within the rows than across rows. Sawdust mulch increased the radial spread of roots, but did not promote rooting in the top 0.15 m of soil. Compared to one or two drip emitters per plants, low-volume spray emitters increased radial spread of roots, but only in combination with mulching. Greatest vertical rooting occurred with a single emitter at the base of the plant without mulch: Emitters placed 0.46 m from the crown of the plant did not help the spread of roots towards these emitters. Journal of the American Society for Horticultural Science. Sept 1988. v. 113 (5). p. 657-661. ill. Includes references. (NAL Call No.: DNAL 81 S012).

# FORESTRY RELATED

1037

**Aphids injurious to orchard fruits, currant, gooseberry and grape.** A.L. Quaintance and A.C. Baker. --. Quaintance, A. L. Washington, D.C. : U.S. Dept. of Agriculture, 1917. 42 p. : ill. --. (NAL Call No.: DNAL Fiche S-70 no.804).

1038

**Black currant spreads white-pine blister rust** /by Samuel B. Detwiler. Detwiler, Samuel B. 1881-. Washington, D.C. : U.S. Dept. of Agriculture, 1930. Caption title.~ "Issued July, 1928.". 8 p. : ill. ; 23 cm. (NAL Call No.: DNAL 1 Ag84M no.27).

1039

**Chemical and mechanical methods of ribes eradication in the white pine areas of the western states** /by H.R. Offord, G.R. Van Atta, and H.E. Swanson. Offord, H. R. 1903-. Van Atta, G. R. 1899-; Swanson, H. E. 1903-. Washington : U.S. Dept. of Agriculture, 1940. Cover title. 50 p., 11 p. of plates : ill., maps ; 23 cm. Literature cited: p. 48-49. (NAL Call No.: DNAL 1 Ag84Te no.692).

1040

**Comparison of proanthocyanidins and related compounds in leaves and leaf-derived cell cultures of Ginkgo biloba L., Pseudotsuga menziesii Franco, and Ribes sanguineum Pursh.** PLPHA. Stafford, H.A. Kreitlow, K.S.; Lester, H.H. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. Dec 1986. v. 82 (4). p. 1132-1138. Includes references. (NAL Call No.: DNAL 450 P692).

1041

**Cranberry girdler moth damage to Douglas-fir seedlings in Coeur d'Alene Nursery, Idaho Panhandle National Forests, 1982** (Pseudotsuga menziesii, Chrysoteuchia topiaria, control). Tunnock, S. Missoula : The Region. Report - USDA Forest Service, Northern Region, State and Private Forestry. Dec 1982. Dec 1982. (82-28). 6 p. ill. Includes references. (NAL Call No.: aSD11.U585).

1042

**Development of integrated management plans (Blister rust, Ribes, pines).** McDonald, G.I. Fort Collins, Colo., The Station. Proceedings of the ... annual Western International Forest Disease Work Conference - United States Forest Service Rocky Mountain Forest and Range Experiment Station. 1979.

1979. (27th). p. 67-71. ill. 3 ref. (NAL Call No.: aSD118.W4).

1043

**Effects of food, temperature, and breeding conditions on the life span of adults of three cohabitating bark beetle (Scolytidae) parasitoids (Hymenoptera).** EVETEX. Mendel, Z. College Park, Md. : Entomological Society of America. The study deals with the adult life span of three hymenopterous parasitoids of bark beetles (Scolytidae)--Dendrosoter caenopachoides Ruschka, D. protuberans Nees (Braconidae), and Metacolus unifasciatus Foerster (Pteromalidae)--investigated under three temperature and two nutrition treatments. Longevity decreased significantly with increasing temperature and absence of carbohydrate in the diet. Regardless of species, life span was about 2 mo with honey plus water at 18 degrees C compared with 20-30 d at 30 degrees C; with water only, the life span was 15-30 d at 18 degrees C and dropped to about 4-8 d at 30 degrees C. Longevity was significantly related to body length of males and females of all tested species when kept on water, but usually not when honey was available. Marked differences between longevities in the same species were attributed to breeding conditions (i.e., differences in host size of parasitoids reared from scolytids of different size). Ecological and silvicultural implications of the findings are discussed. It is suggested that an increase in tree species diversity in the stands might have diversified and increased food sources for adult parasitoids. Environmental entomology. Apr 1988. v. 17 (2). p. 293-298. Includes references. (NAL Call No.: DNAL QL461.E532).

1044

**Fruit ripening asynchrony is related to variable seed number in Amelanchier and Vaccinium.** AJBOA. Gorochov, D.L. Baltimore, Md. : Botanical Society of America. American journal of botany. Dec 1985. v. 72 (12). p. 1939-1943. Includes references. (NAL Call No.: DNAL 450 AM36).

1045

**Germination of Texas persimmon seed (Diospyros texana).** Everitt, J.H. Denver, Colo. : Society for Range Management. Journal of range management. Mar 1984. v. 37 (2). p. 189-192. Includes references. (NAL Call No.: 60.18 J82).

(FORESTRY RELATED)

1046

**Interactions among red raspberries and northern forest trees.**

PNWSB. Lautenschlager, R.A. Beltsville, Md. : The Society. Proceedings of the ... annual meeting - Northeastern Weed Science Society. 1987. v. 41. p. 186-187. Includes references. (NAL Call No.: DNAL 79.9 N814).

Hartford, Connecticut. 1988. v. 42 (suppl.). p. 58-62. Includes references. (NAL Call No.: DNAL 79.9 N814).

1047

**Procyanidins (condensed tannins) in green cell suspension cultures of Douglas fir (*Pseudotsuga menziesii*) compared with those in strawberry and avocado leaves by means of C18-reversed-phase chromatography.**

Stafford, H.A. Lester, H.H. Rockville, Md., American Society of Plant Physiologists. Plant physiology. Dec 1980. v. 66 (6). p. 1085-1090. ill. 12 ref. (NAL Call No.: 450 P692).

1052

**Weed efficacy and crop tolerance after site prep with liquid and granular hexazinone formulations.**

PNWSB. Reynolds, P.E. Pitt, D.G.; Roden, M.J. College Park, Md. : The Society. Proceedings of the annual meeting - Northeastern Weed Science Society. Meeting held January, 6-8, 1988, Hartford, Connecticut. 1988. v. 42 (suppl.). p. 74-78. Includes references. (NAL Call No.: DNAL 79.9 N814).

1048

**Results from a volume delivery/droplet size study with aerially applied glyphosate.**

PNWSB. Schaertl, G.R. Maass, D.I.; McMormack, M.L. College Park, Md. : The Society. Proceedings of the annual meeting - Northeastern Weed Science Society. Meeting held January, 6-8, 1988, Hartford, Connecticut. 1988. v. 42 (suppl.). p. 68-73. Includes references. (NAL Call No.: DNAL 79.9 N814).

1049

**Results of a hexazinone-mechanical site preparation trial.**

PNWSB. Reynolds, P.E. MacKay, T.S.; McCormack, M.L. Jr. Beltsville, Md. : The Society. Proceedings of the ... annual meeting - Northeastern Weed Science Society. 1986. v. 40. p. 222A-229. Includes references. (NAL Call No.: DNAL 79.9 N814).

1050

**Seasonal fluctuations of lectins in barks of elderberry (*Sambucus nigra*) and black locust (*Robinia pseudoacacia*).**

PLPHA. Nsimba-Lubaki, M. Peumans, W.J. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. Mar 1986. v. 80 (3). p. 747-751. ill. Includes 18 references. (NAL Call No.: DNAL 450 P692).

1051

**Weed efficacy after site prep with liquid and dry-flowable hexazinone formulations.**

PNWSB. Pitt, D.G. Reynolds, P.E.; Roden, M.J. College Park, Md. : The Society. Proceedings of the annual meeting - Northeastern Weed Science Society. Meeting held January, 6-8, 1988,

# FORESTRY PRODUCTION - GENERAL

1053

**Growth control of laurel fig with chlorflurenol  
(*Ficus nitida*, street tree in southern  
California, chemical pruning).**

Hield, H.CAGRA. Hemstreet, S. Berkeley : The  
Station. California agriculture - California  
Agricultural Experiment Station. Nov/Dec 1982.  
v. 36 (11/12). p. 9-10. ill. (NAL Call No.: 100  
C12CAG).

# FORESTRY PRODUCTION - NATURAL REGENERATION

1054

**Vaccinium membranaceum** berry production seven  
years after treatment to reduce overstory tree  
canopies.

NOSCA. Minore, D. Pullman, Wash. : Washington  
State University Press. Northwest science. Aug  
1984. v. 58 (3). p. 208-212. Includes  
references. (NAL Call No.: DNAL 470 N81).

# FORESTRY PROD. - ARTIFICIAL REGENERATION

1055

Cranberry girdler moth damage to Douglas-fir seedlings in Coeur d'Alene Nursery, Idaho Panhandle National Forests, 1982 (Pseudotsuga menziesii, Chrysoteuchia topiaria, control). Tunnoch, S. Missoula : The Region. Report - USDA Forest Service, Northern Region, State and Private Forestry. Dec 1982. Dec 1982. (82-28). 6 p. ill. Includes references. (NAL Call No.: aSD11.U585).

1056

Raspberry (Rubus idaeus L.) competition effects on balsam fir (Abies balsamea (L.) Mill.) seedlings in northern Maine. TPLNA. Fox, T.R. Washington, D.C. : The Service. Tree planters' notes - United States, Forest Service. Spring 1986. v. 37 (2). p. 20-23. Includes 24 references. (NAL Call No.: DNAL 1.962 C5T71).

# FIRE MANAGEMENT

1057

*Vaccinium membranaceum* berry production seven years after treatment to reduce overstory tree canopies.

NOSCA. Minore, D. Pullman, Wash. : Washington State University Press. Northwest science. Aug 1984. v. 58 (3). p. 208-212. Includes references. (NAL Call No.: DNAL 470 N81).

# ENTOMOLOGY RELATED

1058

**Biology of the blueberry leaftier Croesia curvalana (Kearfott) (Tortricidae): a field and laboratory study.**

JLPSA. Ponder, B.M. Seabrook, W.D. Los Angeles, Calif. : The Society. Journal of the Lepidopterists' Society. 1988. v. 42 (2). p. 120-131. ill. Includes references. (NAL Call No.: DNAL 421 L554).

1059

**Complex interactions between mutualisms: ants tending homopterans protect fig seeds and pollinators.**

ECOLA. Compton, S.G. Robertson, H.G. Tempe, Ariz. : Ecological Society of America. Ecology : a publication of the Ecological Society of America. Aug 1988. v. 69 (4). p. 1302-1305. Includes references. (NAL Call No.: DNAL 410 EC7).

1060

**Effect of environmental factors on overwintering phenomena and spring migration of the plum curculio, *Conotrachelus nenuphar* (Coleoptera: Curculionidae).**

EVETEX. McGiffen, M.E. Jr. Meyer, J.R. College Park, Md. : Entomological Society of America. Environmental entomology. Aug 1986. v. 15 (4). p. 884-888. ill. Includes references. (NAL Call No.: DNAL QL461.E532).

1061

**Exploitation of animal mobility.**

NATUAS. Moore, P.D. Neptune, N.J. : Macmillan Journals. Nature. Sept 26/Oct 2, 1985. v. 317 (6035). p. 288. ill. Includes references. (NAL Call No.: DNAL 472 N21).

1062

**Figs and wasps. II. And now the wasps (*Blastophaga psenes*).**

Moran, R. San Diego, Calif., San Diego Society of Natural History. Environment Southwest. Spring 1982. Spring 1982. (497). p. 13-17. ill. (NAL Call No.: QH1.E5).

1063

**Fooling Mother Nature.**

Kavanaugh, M. Pleasanton, Calif. : Sun-Diamond Growers of California. Sun-Diamond grower. Summer 1987. v. 6 (2). p. 14-15, 30. ill. (NAL Call No.: DNAL SB401.A1D5).

1064

**Foraging ecology of the bee *Habropoda laboriosa* (Hymenoptera: Anthophoridae), an oligolege of blueberries (Ericaceae: *Vaccinium*) in the southeastern United States.**

AESAAI. Cane, J.H. Payne, J.A. College Park, Md. : The Society. Annals of the Entomological Society of America. May 1988. v. 81 (3). p. 419-427. ill. Includes references. (NAL Call No.: DNAL 420 EN82).

1065

**Fruit set and bee activity in four rabbiteye blueberry (*Vaccinium ashei*) cultivars (Cross pollination).**

Davies, F.S. Buchanan, D.W. s.l., The Society. Proceedings of the ...annual meeting of the Florida State Horticultural Society. June 1, 1980. v. 92. p. 246-247. 21 ref. (NAL Call No.: 81 F66).

1066

**Male olive fruit fly attraction to synthetic sex pheromone components in laboratory and field tests.**

JCECD. Mazomenos, B.E. Haniotakis, G.E. New York, N.Y. : Plenum Press. Journal of chemical ecology. Mar 1985. v. 11 (3). p. 397-405. Includes references. (NAL Call No.: DNAL QD415.A1J6).

1067

**Mutualism, antagonism, and the fig-pollinator interaction.**

ECOLA. Bronstein, J.L. Tempe, Ariz. : Ecological Society of America. Ecology : a publication of the Ecological Society of America. Aug 1988. v. 69 (4). p. 1298-1302. Includes references. (NAL Call No.: DNAL 410 EC7).

1068

**Predators of fig wasps.**

BTROA. Bronstein, J.L. St. Louis, Mo. : Association for Tropical Biology. Biotropica. Sept 1988. v. 20 (3). p. 215-219. maps. Includes references. (NAL Call No.: DNAL QH301.B52).

1069

**The reproductive biology of raspberries and plant-pollinator community structure (North America).**

Whitney, G.G. Baltimore, Md. : Botanical Society of America. American journal of botany. Aug 1984. v. 71 (7). p. 887-894. ill. (NAL Call No.: 450 AM36).

(ENTOMOLOGY RELATED)

1070

A sesiid host record for *Pterocormus chasmodops*  
(Hymenoptera: Ichneumonidae).  
PESWA. Pavuk, D.M. Williams, R.N. Washington,  
D.C. : The Society. Proceedings of the  
Entomological Society of Washington. Jan 1988.  
v. 90 (1). p. 105. (NAL Call No.: DNAL 420  
W27).

1071

The stability of the symbiosis between  
dioecious figs and their pollinators: a study  
of *Ficus carica* L. and *Blastophaga psenes* L.  
EVOLA. Kjellberg, F. Gouyon, P.H.; Ibrahim, M.;  
Raymond, M.; Valdeyron, G. Lawrence, Kan. :  
Society for the Study of Evolution. Evolution.  
July 1987. v. 41 (4). p. 693-704. Includes  
references. (NAL Call No.: DNAL 443.8 EV62).

# APICULTURE RELATED

1072

**Pollination of avocado: some new insights with special reference to the 'Hass' variety.**  
CAVYA. Bekey, R. Saticoy, Calif. : The Society. Yearbook - California Avocado Society. 1986. v. 70. p. 91-97. ill. Includes references. (NAL Call No.: DNAL 81 C128).

1073

**The pollinators of the yellow passionfruit--do they limit the success of *Passiflora edulis* f. *flavescens* as a tropical crop?**  
Hammer, L.H. S.I. : The Society. Proceedings of the ... annual meeting of the Florida State Horticulture Society. Aug 1988. v. 100. p. 283-287. ill. Includes references. (NAL Call No.: DNAL SB319.2.F6F56).

1074

**Protect berry-pollinating bees (from hazardous insecticides).**  
Shanks, C.H. Johansen, C.; Antonelli, A. Pullman, Wash., The Service. Extension bulletin - Washington State University, Cooperative Extension Service. July 1981. July 1981. (0925). 2 p. ill. (NAL Call No.: 275.29 W27P).

1075

**The relationship of highbush blueberry (*Vaccinium corymbosum* L.) flower volatile and nectar production to honeybees attractiveness / by Neil Joshua Vincent. -.**  
Vincent, Neil Joshua, 1943-. 1971. Thesis (Ph.D.)--Rutgers University, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. ix, 91 leaves ; 21 cm. Bibliography: leaves 86-90. (NAL Call No.: DISS 72-886).

# ANIMAL ECOLOGY

1076

**Behavioral techniques to reduce bird damage to blueberries: methiocarb and a hawk-kite predator model (Connecticut).**

Conover, M.R. WLSBA. Bethesda : The Society. Wildlife Society bulletin. Fall 1982. v. 10 (3). p. 211-216. 10 ref. (NAL Call No.: SK357.A1W5).

1077

**Effect of environmental factors on overwintering phenomena and spring migration of the plum curculio, *Conotrachelus nenuphar* (Coleoptera: Curculionidae).**

EVETEX. McGiffen, M.E. Jr. Meyer, J.R. College Park, Md. : Entomological Society of America. Environmental entomology. Aug 1986. v. 15 (4). p. 884-888. ill. Includes references. (NAL Call No.: DNAL QL461.E532).

1078

**Foraging ecology of the bee *Habropoda laboriosa* (Hymenoptera: Anthophoridae), an oligolege of blueberries (Ericaceae: *Vaccinium*) in the southeastern United States.**

AESAAI. Cane, J.H. Payne, J.A. College Park, Md. : The Society. Annals of the Entomological Society of America. May 1988. v. 81 (3). p. 419-427. ill. Includes references. (NAL Call No.: DNAL 420 EN82).

1079

**Predators of fig wasps.**

BTROA. Bronstein, J.L. St. Louis, Mo. : Association for Tropical Biology. Biotropica. Sept 1988. v. 20 (3). p. 215-219. maps. Includes references. (NAL Call No.: DNAL QH301.B52).

# ANIMAL PHYSIOLOGY AND BIOCHEMISTRY

1080

**Biology of the blueberry leaftier *Croesia curvalana* (Kearfott) (Tortricidae): a field and laboratory study.**

JLPSA. Ponder, B.M. Seabrook, W.D. Los Angeles, Calif. : The Society. Journal of the Lepidopterists' Society. 1988. v. 42 (2). p. 120-131. ill. Includes references. (NAL Call No.: DNAL 421 L554).

1081

**Male olive fruit fly attraction to synthetic sex pheromone components in laboratory and field tests.**

JCECD. Mazomenos, B.E. Haniotakis, G.E. New York, N.Y. : Plenum Press. Journal of chemical ecology. Mar 1985. v. 11 (3). p. 397-405. Includes references. (NAL Call No.: DNAL QD415.A1J6).

# ANIMAL TAXONOMY AND GEOGRAPHY

1082

A sesiid host record for *Pterocormus chasmodops*  
(Hymenoptera: Ichneumonidae).

PESWA. Pavuk, D.M. Williams, R.N. Washington,  
D.C. : The Society. Proceedings of the  
Entomological Society of Washington. Jan 1988.  
v. 90 (1). p. 105. (NAL Call No.: DNAL 420  
W27).

# ANIMAL DISORDERS - PHYSICAL TRAUMA

1083

**Susceptibility of Psidium guajava selections to  
injury by Cephaleuros sp. (Algae).**

Marlatt, R.B. Campbell, C.W. St. Paul, Minn.,  
American Phytopathological Society. Plant  
disease. Nov 1980. v. 64 (11). p. 1010-1011.  
ill. 4 ref. (NAL Call No.: 1.9 P69P).

# NONFOOD AND NONFEED

1084

**Postharvest effects of ancydrol on *Ficus benjamina* L. (Acclimatization, foliage plant).**  
Peterson, N.C. Blessington, T.M. Alexandria,  
Va., American Society for Horticultural  
Science. HortScience. Aug 1982. v. 17 (4). p.  
612-614. 10 ref. (NAL Call No.: SB1.H6).

# FARM EQUIPMENT

1085

**Classification of olive varieties for effective mechanical harvesting.**

TAAEA. Tsatsarelis, C.A. Akritidis, C.B.; Siatras, A.J. St. Joseph, Mich. : The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Nov/Dec 1984. v. 27 (6). p. 1669-1673. Includes references. (NAL Call No.: DNAL 290.9 AM32T).

1086

**A comparative study of dusting by means of airplane and ground machine for the control of the blueberry maggot /F.H. Lathrop and C.B. Nickels.**

Lathrop, Frank H. 1891-. Nickels, C. B. 1898-. Washington, D.C. : U.S. Dept. of Agriculture, 1930. Caption title.~ "Contribution from Bureau of Entomology." 15 p. : ill. ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 1 Ag84C no.123).

1087

**Date production mechanization - worldwide.**

Brown, G.K. Sarig, Y.; Perkins, R.M. St. Joseph, Mich. : American Society of Agricultural Engineers, c1984. Fruit, nut, and vegetable harvesting mechanization : proceedings, International Symposium on Fruit ... Mechanization, Oct 5-12. 1983, Volcani Center, Bet Dagan, Israel / Institute of Agricultural Engi. p. 171-177. ill. Includes 12 references. (NAL Call No.: DNAL SB360.3.I5 1983).

1088

**Effects of cultivar, cultural practices and growth regulators on yield and quality of machine-harvested blackberries.**

Morris, J.B. Fayetteville, Ark. : Arkansas State Horticultural Society. Proceedings of the ... annual meeting - Arkansas State Horticultural Society. Paper presented at the "106th Annual Meeting of the Arkansas State Horticultural Society," November 13 and 14, 1985, Fort Smith, Arkansas. 1985. (106). p. 183-187. Includes 18 references. (NAL Call No.: DNAL SB21.A7A7).

1089

**Harvester recovery of mechanically harvested high bush blueberries.**

Cargill, B.F. Ledebuhr, R.L. St. Joseph, Mich. : American Society of Agricultural Engineers, c1984. Fruit, nut, and vegetable harvesting mechanization : proceedings, International Symposium on Fruit ... Mechanization, Oct 5-12, 1983, Volcani Center, Bet Dagan, Israel / Institute of Agricultural Engi. p. 127-133. ill. (NAL Call No.: DNAL SB360.3.I5 1983).

1090

**Laboratory investigations to reduce ground loss in mechanically harvested highbush blueberries.**

TAAEA. McCarthy, E.J. Rohrbach, R.P. St. Joseph, Mich. : The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Jan/Feb 1986. v. 29 (1). p. 65-69. ill. Includes references. (NAL Call No.: DNAL 290.9 AM32T).

# WATER RESOURCES AND MANAGEMENT

1091

Water for cranberry culture in the Cranmoor area of central Wisconsin / by Louis J. Hamilton ; prepared in cooperation with University Extension--the University of Wisconsin Geological and Natural History Survey. -.

Hamilton, Louis J. (Louis John). Washington, D.C. U.S. G.P.O. 1971. Two folded sheets of illustrations in pocket. iii, 20 p. : ill., maps ; 24 cm. --. Bibliography: p. 20. (NAL Call No.: 407 G29W no. 1999-I).

# DRAINAGE AND IRRIGATION

1092

**Effects of high temperature, fertilization, and irrigation on growth and leaf elemental contents of newly established rabbiteye blueberries.**

Basiony, F.M. Powell, A.A. s.l. : The Society. Proceedings of the ... annual meeting of the Florida State Horticulture Society. 1986. v. 98. p. 155-158. Includes references. (NAL Call No.: DNAL SB319.2.F6F56).

1093

**Irrigation scheduling for highbush blueberry in Arkansas.**

Byers, P.L. Fayetteville, Ark. : Arkansas State Horticultural Society. Proceedings of the ... annual meeting - Arkansas State Horticultural Society. Paper presented at the "106th Annual Meeting of the Arkansas State Horticultural Society," November 13 and 14, 1985, Fort Smith, Arkansas. 1985. (106). p. 152-156. Includes 6 references. (NAL Call No.: DNAL SB21.A7A7).

1094

**Irrigation scheduling for young highbush blueberry plants in Arkansas.**

HJHSA. Byers, P.L. Moore, J.N. Alexandria, Va. : American Society for Horticultural Science. HortScience. Feb 1987. v. 22 (1). p. 52-54. Includes references. (NAL Call No.: DNAL SB1.H6).

1095

**Manage avocado tree growth.**

Whiley, W.W. Saranah, J.B.; Cull, B.W.; Pegg, K.G. Fallbrook, Calif. : Rancher Publications. California grower. June 1988. v. 12 (6). p. 5, 9-10, 12-14, 19-20. (NAL Call No.: DNAL SB379.A9A9).

1096

**Mulch and irrigation placement effects on soil chemistry properties and rabbiteye blueberry plants irrigated with sodic water.**

JOSH. Patten, K.D. Neuendorff, E.W.; Leonard, A.T.; Haby, V.A. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Jan 1988. v. 113 (1). p. 4-8. Includes references. (NAL Call No.: DNAL 81 S012).

1097

**Prolonged flooding effects on anatomy of highbush blueberry.**

HJHSA. Abbott, J.D. Gough, R.E. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug 1987. v. 22 (4). p. 622-625. ill. Includes references. (NAL Call No.: DNAL SB1.H6).

1098

**Root distribution of 'Climax' rabbiteye blueberry as affected by mulch and irrigation geometry.**

JOSH. Patten, K.D. Neuendorff, E.W.; Peters, S.C. Alexandria, Va. : The Society. We studied the horizontal and vertical root distribution of 3-year-old 'Climax' rabbiteye blueberry (*Vaccinium ashei* Reade) in a sandy loam soil. Root density decreased logarithmically in the horizontal direction from the crown and linearly with depth. Ninety percent of the roots were within 0 to 0.38 m from the crown and 0 to 0.45 m depth. Roots spread more within the rows than across rows. Sawdust mulch increased the radial spread of roots, but did not promote rooting in the top 0.15 m of soil. Compared to one or two drip emitters per plants, low-volume spray emitters increased radial spread of roots, but only in combination with mulching. Greatest vertical rooting occurred with a single emitter at the base of the plant without mulch. Emitters placed 0.46 m from the crown of the plant did not help the spread of roots towards these emitters. Journal of the American Society for Horticultural Science. Sept 1988. v. 113 (5). p. 657-661. ill. Includes references. (NAL Call No.: DNAL 81 S012).

# FOOD SCIENCE, HORTICULTURAL CROP

1099

**Cranberry pest control: hard rot and tip blight  
of cranberry--*Monilinia oxycocci* (Wor.) Honey  
(*Sclerotinia oxycocci* Wor.) (Fungi).**

Boone, D.M. Madison : The Programs. Publication  
- Cooperative Extension Programs. University of  
Wisconsin - Extension. 1982. 1982. (A3194). 2  
p. ill. (NAL Call No.: S544.3.W6W53).

1100

**Fruit spoilage diseases of figs /Ralph E. Smith  
and H.N. Hansen.**

Smith, Ralph E. 1874-1953. Hansen, H. N. 1891-.  
Berkeley, Cal. : Agricultural Experiment  
Station, 1931. Cover title. 84 p. : ill. ; 23  
cm. Bibliography: p. 83-84. (NAL Call No.: DNAL  
100 C12S (1) no.506).

# FOOD PROCESSING

1101

**Effect of manufacturing and preserving  
processes on the vitamins of cranberries /by  
Paul D. Isham and Carl R. Fellers.**  
Isham, Paul D. 1906-. Fellers, Carl  
Raymond, 1893-. Amherst, Mass. : Massachusetts  
State College, 1933. Cover title. 19 p. ; 23  
cm. Bibliography: p. 17-19. (NAL Call No.: DNAL  
100 M38H (1) no.296).

# FOOD PROCESSING, HORTICULTURAL CROP

1102

Papayas get into hot water, leave Hawaii.  
AGREA. Whorton, J. Washington, D.C. : The  
Administration. Agricultural research - U.S.  
Department of Agriculture, Agricultural  
Research Service. Feb 1985. v. 33 (2). p. 12.  
i11. (NAL Call No.: DNAL 1.98 AG84).

# FOOD STORAGE, HORTICULTURAL CROP

1103

Berry color, water immersion time, rot, and physiological breakdown of cold-stored cranberry fruits (Harvest, maturity, *Vaccinium macrocarpon*, fungal rot).

Ceponis, M.J. HJHSA. Stretch, A.W. Alexandria : American Society for Horticultural Science. HortScience. Aug 1983. v. 18 (4, sect. 1). p. 484-485. Includes references. (NAL Call No.: SB1.H6).

1104

Carbon dioxide as an indicator of fruit impact damage.

HJHSA. Burton, C.L. Schulte-Pason, N.L. Alexandria, Va. : American Society for Horticultural Science. HortScience. Apr 1987. v. 22 (2). p. 281-282. Includes references. (NAL Call No.: DNAL SB1.H6).

1105

Cranberry pest control--end rot of cranberry: *Godronia cassandrae* Peck (*Fusicoccum putrefaciens* Shear - imperfect stage) (Fungi, storage diseases).

Boone, D.M. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. 1982. 1982. (A3196). 2 p. ill. (NAL Call No.: S544.3.W6W53).

1106

Cranberry pest control: black rot of cranberry--*Ceuthospora lunata* Shear and *Strassaria oxycocci* Shear (Fungi, storage diseases).

Boone, D.M. Schwarz, M.R. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. 1982. 1982. (A3197). 2 p. ill. (NAL Call No.: S544.3.W6W53).

1107

Cranberry pest control: viscid rot and upright dieback of cranberry--*Diaporthe vaccinii* Shear (*Phomopsis vaccinii* Shear imperfect stage) (Fungi, storage diseases).

Boone, D.M. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. 1982. 1982. (A3195). 2 p. ill. (NAL Call No.: S544.3.W6W53).

1108

Effect of CO<sub>2</sub> (carbon dioxide) atmospheres on postharvest decay (*Botrytis*, *Alternaria*, or *Gloeosporium*) incidence of blueberry fruits. Goodwine, W.R. Ceponis, M.J.; Cappellini, R.A. St. Paul, Minn., American Phytopathological Society. *Phytopathology*. Feb 1981. Abstract

only. v. 71 (2). p. 220. (NAL Call No.: 464.8 P56).

1109

Effects of maturity, harvest date, and storage time on postharvest quality of red raspberry fruit.

JOSHB. Sjulin, T.M. Robbins, J. Alexandria, Va. : The Society. *Journal of the American Society for Horticultural Science*. May 1987. v. 112 (3). p. 481-487. Includes references. (NAL Call No.: DNAL 81 S012).

1110

Insect disinfestation of packed dates by gamma-radiation.

Ahmed, M.S.H. Hameed, A.A.; Kadhum, A.A.; Ali, S.R. Honolulu : Hawaii Institute of Tropical Agric. & Human Resources, Univ. of Hawaii, Manoa, 1985. *Radiation disinfestation of food and agricultural products : proceedings of an international conference*, Honolulu, Hawaii, November 14-18, 1983 / edited by James H. Moy. p. 374-380. Includes 10 references. (NAL Call No.: DNAL TP371.8.R284).

1111

Persimmon.

Itoo, S. Boca Raton, Fla. : CRC Press, 1986. *CRC handbook of fruit set and development* / edited by Shaul P. Monselise. p. 355-370. ill. Includes references. (NAL Call No.: DNAL SB357.28.C73).

1112

Postharvest handling systems: subtropical fruits.

Kader, A.A. Berkeley, Calif. : Coop Ext, Univ of California, Div of Agric and Natural Resources, 1985. *Postharvest technology of horticultural crops* / Adel A. Kader et al. . p. 152-156. Includes references. (NAL Call No.: DNAL SB319.7.P67).

1113

Quality of 'Tifblue' rabbiteye blueberries and efficiency of machine harvesting at different times of day.

JOSHB. Patten, K.D. Neuendorff, E.W.; Nimir, G. Alexandria, Va. : The Society. *Fruit from 7- and 8-year-old 'Tifblue' rabbiteye blueberry* *Vaccinium ashei* (Reade) plants were harvested at 0600, 0900, 1200, and 1500 HR. Harvests occurred twice a season for each of 2 years. Fruit cullage after machine harvesting averaged approximately 30% of total fruit harvested. The first machine harvest in a season had 6% to 16% less cullage than the last harvest. The number of mature fruit remaining on the plants after

(FOOD STORAGE, HORTICULTURAL CROP)

harvesting decreased with later harvest times during the day. Thus, an increase in harvester efficiency corresponded to decreased leaf water potential. The effect of harvest time during the day on packout and fruit quality after storage was inconsistent between and within years. There was no optimum time of day to machine-pick blueberries when fruit were promptly sorted and cooled after harvest.  
Journal of the American Society for Horticultural Science. Nov 1988. v. 113 (6). p. 953-956. Includes references. (NAL Call No.: DNAL 81 S012).

1114

Respiratory rate, ethylene production, and ripening response of avocado fruit to ethylene or propylene following harvest at different maturities.

Eaks, I.L. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. Sept 1980. v. 105 (5). p. 744-747. ill. 13 ref. (NAL Call No.: 81 S012).

1115

The use of captan to extend shelf-life of refrigerated blueberries.  
RRMSD. Silva, J.L. Matta, F.B.; Garner, J.O.; Anderson, J.F. Mississippi State, Miss. : The Station. Research report - Mississippi Agricultural and Forestry Experiment Station. June 1987. v. 12 (16). 3 p. Includes references. (NAL Call No.: DNAL S79.E37).

# FOOD CONTAMINATION, HORTICULTURAL CROP

1116

**Control of blueberry thrips, *Frankliniella vaccinii* Morgan, with permethrin and effect on yield and residue in fruit.**

MacPhee, A. Gaul, S.; Ragab, M.T.H. New York, Marcel Dekker. *Journal of environmental science and health. Part B: Pesticides, food contaminants, and agricultural wastes.* 1982. v. 17 (2). p. 183-193. Includes 3 ref. (NAL Call No.: TD172.J61).

1117

**Derivatization and cleanup improvements in determination of residues of glyphosate and aminomethylphosphonic acid in blueberries (Herbicide).**

Guinivan, R.A. Thompson, N.P.; Wheeler, W.B. Arlington, Va., The Association. *Journal of the Association of Official Analytical Chemists.* Jan 1982. v. 65 (1). p. 35-39. ill. Includes 30 ref. (NAL Call No.: 381 AS7).

1118

**A method for determining fenamiphos and its sulfoxide and sulfone in plants and soil (Nematocide-insecticide residues in soil, raspberries, carrots).**

Brown, M.J. Washington, D.C., American Chemical Society. *Journal of agricultural and food chemistry.* Nov/Dec 1981. v. 29 (6). p. 1129-1132. ill. 5 ref. (NAL Call No.: 381 J8223).

1119

**Mycotoxin production by *Alternaria* species grown on apples, tomatoes, and blueberries (Storage diseases, food contamination).**

Stinson, E.E. AR-ERRC. Bills, D.D.; Osman, S.F.; Siciliano, J.; Ceponis, M.J.; Heisler, E.G. Washington, D.C., American Chemical Society. *Journal of agricultural and food chemistry.* Sept/Oct 1980. v. 28 (5). p. 960-963. 25 ref. (NAL Call No.: 381 J8223).

1120

**Simultaneous determination of fenitrothion and aminocarb in blueberry foliage and fruits: Application to the analysis of residues in field samples.**

JPFC02. Sundaram, K.M.S. Boyonoski, N.; Wing, R.W.; Cadogan, B.L. New York, N.Y. : Marcel Dekker. *Journal of environmental science and health. Part B: Pesticides, food contaminants, and agricultural wastes.* 1987. v. B22 (5). p. 565-578. Includes references. (NAL Call No.: DNAL TD172.J61).

# FOOD COMPOSITION, HORTICULTURAL CROP

1121

**Anthocyanin patterns in ripening thornless blackberries.**

JOSHB. Sapers, G.M. Hicks, K.B.; Burgher, A.M.; Hargrave, D.L.; Sondey, S.M.; Bilyk, A. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Nov 1986. v. 111 (6). p. 945-950. Includes references. (NAL Call No.: DNAL 81 S012).

1122

**Avocado mesocarp; browning potential, carotenoid content, polyphenol oxidase, catalase and peroxidase activities: comparison between six avocado cultivars.**

Sharon-Raber, O. JFDSA. Kahn, V. Chicago : Institute of Food Technologists. Journal of food science. Nov/Dec 1983. v. 48 (6). p. 1874-1875. Includes references. (NAL Call No.: 389.8 F7322).

1123

**The cell wall in ripening avocados.**

Colinas-Leon, M.T. Young, R.E. Saticoy, Calif., The Society. Yearbook - California Avocado Society. 1981. v. 65. p. 113-117. Includes 15 ref. (NAL Call No.: 81 C128).

1124

**Disorders in apricot and papaya shipments to the New York market 1972-1985.**

PLDIDE. Capellini, R.A. Ceponis, M.J.; Lightner, G.W. St. Paul, Minn. : American Phytopathological Society. Plant disease. Apr 1988. v. 72 (4). p. 366-368. Includes references. (NAL Call No.: DNAL 1.9 P69P).

1125

**Effects of cultivar, soil moisture, and hedge height on yield and quality of machine-harvested erect blackberries.**

JOSHB. Morris, J.R. Sims, C.A. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Sept 1985. v. 110 (5). p. 722-725. Includes references. (NAL Call No.: DNAL 81 S012).

1126

**Effects of maturity, harvest date, and storage time on postharvest quality of red raspberry fruit.**

JOSHB. Sjulin, T.M. Robbins, J. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. May 1987. v. 112 (3). p. 481-487. Includes references. (NAL Call No.: DNAL 81 S012).

1127

**Effects of mechanical harvesting on the quality of small fruits and grapes.**

Morris, J.R. St. Joseph, Mich. : American Society of Agricultural Engineers, c1984. Fruit, nut, and vegetable harvesting mechanization : proceedings, International Symposium on Fruit ... Mechanization, Oct 5-12, 1983, Volcani Center, Bet Dagan, Israel / Institute of Agricultural Engi. Literature review. p. 332-348. Includes 96 references. (NAL Call No.: DNAL SB360.3.I5 1983).

1128

**Figs (Production, chemical composition).**

Bolin, H.R. King, A.D. Jr. Westport, Conn., AVI Pub. Co., 1980. Tropical and subtropical fruit : composition, properties, and uses, by Steven Nagy, Philip E. Shaw. Literature review. p. 492-505. Bibliography p. 503-505. (NAL Call No.: TX557.N33).

1129

**Irrigation scheduling for young highbush blueberry plants in Arkansas.**

HJHSA. Byers, P.L. Moore, J.N. Alexandria, Va. : American Society for Horticultural Science. HortScience. Feb 1987. v. 22 (1). p. 52-54. Includes references. (NAL Call No.: DNAL SB1.H6).

1130

**Lipid changes in olive fruit under saline conditions.**

Marzouk, B. Zarrouk, M.; Cherif, A. Champaign, Ill. : American Oil Chemists' Society, 1986. Proceedings World Conference on Emerging Technologies in the Fats and Oils Industry, Cannes, France, November 3-8, 1985 / edited by A.R. Baldwin. p. 408-409. Includes references. (NAL Call No.: DNAL TP669.5.W67 1985).

1131

**Physiological gradient in avocado fruit.**

CAVYA. Schroeder, C.A. Saticoy, Calif. : The Society. Yearbook - California Avocado Society. 1985. v. 69. p. 137-143. ill. Includes 16 references. (NAL Call No.: DNAL 81 C128).

# AGRICULTURAL PRODUCTS - PLANT

1132

**Postharvest effects of ancymidol on *Ficus benjamina* L. (Acclimatization, foliage plant).**  
Peterson, N.C. Blessington, T.M. Alexandria,  
Va., American Society for Horticultural  
Science. HortScience. Aug 1982. v. 17 (4). p.  
612-614. 10 ref. (NAL Call No.: SB1.H6).

# POLLUTION

1133

**Accumulation and transport of phenol, 2-nitrophenol, and 4-nitrophenol in plant cuticles.**

EESAD. Shafer, W.E. Schonherr, J. Orlando, Fla. : Academic Press. Ecotoxicology and environmental safety. Oct 1985. v. 10 (2). p. 239-252. Includes references. (NAL Call No.: DNAL QH545.A1E29).

349-357. Includes references. (NAL Call No.: DNAL TD172.J61).

1134

**Accumulation of lipophilic chemicals in plant cuticles: prediction from octanol/water partition coefficients.**

AECTCV. Kerler, F. Schonherr, J. New York, N.Y. : Springer-Verlag. Archives of environmental contamination and toxicology. Jan 1988. v. 17 (1). p. 1-6. Includes references. (NAL Call No.: DNAL TD172.A7).

1139

**Interactions between agricultural chemicals (fungicides, herbicides, fertilizers) and soil microflora and their effects on the degradation of (14C)(carbon isotope) parathion in a cranberry soil.**

Ferris, I.G. Lichtenstein, E.P. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Sept/Oct 1980. v. 28 (5). p. 1011-1019. ill. 23 ref. (NAL Call No.: 381 J8223).

1135

**Characteristics of the sorption of chlorothalonil and azinphos-methyl to a soil from a commercial cranberry bog.**

BECTA6. Reduker, S. Uchrin, C.G.; Winnett, G. New York, N.Y. : Springer-Verlag. Bulletin of environmental contamination and toxicology. Nov 1988. v. 41 (5). p. 633-641. Includes references. (NAL Call No.: DNAL RA1270.P35A1).

1140

**A method for determining fenamiphos and its sulfoxide and sulfone in plants and soil (Nematicide-insecticide residues in soil, raspberries, carrots).**

Brown, M.J. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Nov/Dec 1981. v. 29 (6). p. 1129-1132. ill. 5 ref. (NAL Call No.: 381 J8223).

1136

**Covalent binding of chemicals to plant cuticles: quantitative determination of epoxide contents of cutins.**

AECTCV. Riederer, M. Schonherr, J. New York, N.Y. : Springer-Verlag. Archives of environmental contamination and toxicology. Jan 1988. v. 17 (1). p. 21-25. Includes references. (NAL Call No.: DNAL TD172.A7).

1141

**Method for the preliminary assessment of aquatic contamination sites using sediment extract toxicity tests.**

BECTA6. Larson, L.J. New York, N.Y. : Springer-Verlag. Bulletin of environmental contamination and toxicology. Feb 1989. v. 42 (2). p. 218-225. maps. Includes references. (NAL Call No.: DNAL RA1270.P35A1).

1137

**Desorption of chemicals from plant cuticles: evidence for asymmetry.**

AECTCV. Schonherr, J. Riederer, M. New York, N.Y. : Springer-Verlag. Archives of environmental contamination and toxicology. Jan 1988. v. 17 (1). p. 13-19. ill. Includes references. (NAL Call No.: DNAL TD172.A7).

1142

**Pollen yield from olive tree cvs. Manzanillo and Swan Hill in closed urban environments.**

JOSHB. O'Rourke, M.K. Buchmann, S.L. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Nov 1986. v. 111 (6). p. 980-984. ill. Includes references. (NAL Call No.: DNAL 81 S012).

1138

**Effects of wastewater from olive processing on seed germination and early plant growth of different vegetable species.**

JPFCD2. Perez, J.D. Esteban, E.; Gomez, M.; Gallardo-Lara, F. New York, N.Y. : Marcel Dekker. Journal of environmental science and health. Part B. Pesticides, food contaminants, and agricultural wastes. 1986. v. 21 (4). p.

# MATHEMATICS AND STATISTICS

1143

An agrometeorological model for assessing the effect of heat stress during the flowering and early fruit set on avocado yields.

JDSHB. Lomas, J. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Jan 1988. v. 113 (1). p. 172-176. Includes references. (NAL Call No.: DNAL 81 S012).

1147

An evaluation of chilling models for estimating rest requirements of highbush blueberries (*Vaccinium corymbosum* L.).

Norvell, D.J. Moore, J.N. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. Jan 1982. v. 107 (1). p. 54-56. Includes 12 ref. (NAL Call No.: 81 S012).

1144

Chilling hour requirement for flower bud expansion of two rabbiteye and one highbush blueberry shoots.

HJHSA. Austin, M.E. Bondari, K. Alexandria, Va. : American Society for Horticultural Science. HortScience. Dec 1987. v. 22 (6). p. 1247-1248. Includes references. (NAL Call No.: DNAL SB1.H6).

1145

Chilling requirements of 3 Florida blueberry cultivars (Dormancy, model).

Shine, J. Jr. PFSHA. Buchanan, D.W. Lake Alfred : The Society. Proceedings of the ... annual meeting - Florida State Horticultural Society. 1982. v. 95. p. 85-87. Includes references. (NAL Call No.: 81 F66).

1146

Economic injury level model for tarnished plant bug, *Lygus lineolaris* (Palisot de Beauvois) (Hemiptera: Miridae), in strawberry fields.

EVETEX. Mailloux, G. Bostanian, N.J. College Park, Md. : Entomological Society of America. Abstract: A 2-yr study revealed that the relationship between the density of tarnished plant bug (TPB), *Lygus lineolaris* (Palisot de Beauvois), per blossom cluster and the yield reduction of strawberries can be described by a nonlinear regression equation. Strawberry cv. Redcoat was found to have a carrying capacity of 0.90 TPB nymphs per blossom cluster. The economic injury level (EIL) was estimated to be at 0.95-0.99 TPB nymphs per blossom cluster when strawberry weight was considered. However, at the above EIL, 13% of the berries showed signs of TPB injury at harvest. Based on the percentage of uninjured berries at harvest, an action threshold of 0.26 nymphs per blossom cluster was determined. Environmental entomology. June 1988. v. 17 (3). p. 581-586. Includes references. (NAL Call No.: DNAL QL461.E532).

# DOCUMENTATION

1148

**The USDA Economic Botany Laboratory's data base  
on minor economic plant species.**

Duke, J. Washington, D.C. : For sale by the  
Supt. of Docs., U.S. G.P.O., 1983. Plants : the  
potentials for extracting protein, medicines,  
and other useful chemicals : workshop  
proceedings / Congress of the United States,  
Office of Technology Assessment. Includes list  
of ecological amplitudes of 100 perennial  
weeds. p. 196-214, 43-45. ill. Includes 10  
references. (NAL Call No.: DNAL TP453.P7P557).

# HUMAN MEDICINE, HEALTH AND SAFETY

1149

**1988 spray guide for commercial small fruits.**  
WUEXA. Pullman, Wash. : The Service. Extension  
bulletin - Washington State University,  
Cooperative Extension Service. May 1988.  
(1491). 43 p. (NAL Call No.: DNAL 275.29 W27P).



# AUTHOR INDEX

AAREEZ. 404  
 Abbott, J.D. 217, 1097, 5, 373, 838, 476, 818, 137, 488  
 Abdelghani, A.A. 966, 819  
 ACSMC. 413, 274  
 Adams, D.O. 276  
 Adams, E.B. 612  
 AECTCV. 199, 1136, 200, 1137, 197, 1134, 301, 969, 826  
 AESAAI. 359, 1064, 1078  
 Agnello, A. 627, 591  
 AGREA. 889, 1102  
 Ahmad, T.R. 597  
 Ahmed, M.S.H. 888, 620, 1110  
 AJBOA. 363, 1044, 180, 418, 149, 220, 501  
 AKFRA. 566  
 AKFRAC. 293, 222, 227, 1012, 290, 156, 823  
 Akritidis, C.B. 37, 1085  
 Al-Ackhal, I. 249, 221  
 Al-Tahir, O.A. 73  
 Al-Whaibi, M.H. 249, 221  
 Albrigo, L.G. 509  
 Ali, S.R. 888, 620, 1110  
 Allan, S.A. 658  
 Almehdi, A.A. 160, 869  
 Aloni, R. 220, 501  
 Aly, M.M. 362  
 Amiot, M.J. 383  
 Amis, A. 598  
 AMNAA. 202, 342, 308, 201  
 AMNTA. 577, 558  
 Andersen, P. 87, 173, 528  
 Andersen, P.C. 981, 382  
 Anderson, A.C. 819, 966  
 Anderson, H. W. 1885-. 709  
 Anderson, Harry W. 1885-. 29  
 Anderson, Harry W. 1892-. 800  
 Anderson, J.D. 276, 282  
 Anderson, J.F. 997, 1115  
 Antonelli, A. 465, 988, 1074  
 Antonelli, A.L. 618, 695, 661, 619, 696, 617, 42, 41, 522  
 ANURA. 560  
 Apelbaum, A. 441, 276, 282  
 APMBA. 584  
 APPYA. 864  
 Archer, T.E. 983  
 ARHMA. 931, 529, 537, 920  
 Armstrong, J.W. 890  
 Arulsekhar, S. 414  
 Ashley, G. 87, 173, 528  
 Ashley, R.A. 908, 912  
 Ashworth, E.N. 1, 251  
 Asif, M.I. 73  
 Auer, M.S. 928  
 Austin-Smith, P.J. 202, 342  
 Austin, M.E. 286, 1144, 392, 54, 226, 241, 1031, 913  
 Awad, M. 270  
 Aylsworth, J. 30, 17, 862  
 Badr, Sayed Abd El-Samie Mohamed, . 353  
 Bailey, A.M. 967  
 Bailey, J.B. 605, 641, 570, 551, 603, 638, 654, 667, 635, 645, 644, 639, 604, 555, 637  
 Baker, A. C. 1885-. 578  
 Baker, E.C. 156, 823, 290  
 Baker, J.E. 276, 282  
 Baker, P.B. 987  
 Ballester, J. 708  
 Ballinger, W.E. 408, 179, 515, 881  
 Ballington, J.R. 187, 449, 516, 179, 408, 515, 167, 356  
 Bardalaye, P.C. 84, 978  
 Barden, J.A. 68, 419, 436  
 Barnes, G.L. 763, 609, 693, 610  
 Barnett, W.W. 553, 636  
 Baron, J.J. 853, 946  
 Barrera-Guerra, J.L. 219, 497  
 Barrett, J.E. 334  
 Barrios, E.P. 370  
 Barrios, E.P. Jr. 232, 333  
 Basiouny, F.M. 332, 1019, 1092  
 Basiouny, Fouad Mohamed, . 1933-. 294  
 Baumann, T.E. 296  
 Beasley, E.O. 655  
 BECTA. 929  
 BECTA6. 535, 985, 1141, 968, 1135  
 Bekey, R. 611, 119, 451, 1072, 715, 803, 813  
 Belcher, E.W. 385  
 Ben Yacov, A. 15, 791  
 Ben-Arie, R. 427  
 Ben-Tal, Y. 101  
 Bender, G. 271, 153, 712  
 Bender, G.S. 835  
 Bennett, A.B. 468, 432  
 Benschoter, C.A. 891  
 Benveniste, P. 285, 719, 513  
 Bergh, B.O. 47  
 Bergman, H. F. 1883-. 46, 724  
 Bertrand, P. 39, 521  
 Bewick, T.A. 906  
 Biggs, R.H. 362  
 Bills, D.D. 772, 1119  
 Bilyk, A. 264, 1121  
 Binning, L. K. 648, 990, 549  
 Binning, L.K. 906, 649, 701, 932, 905, 538, 539, 702, 933  
 Bird, G.W. 677  
 Bittenbender, H.C. 196, 507  
 Blesing, M.A. 307, 210  
 Blessington, T.M. 125, 460, 457, 1132, 1084  
 Blumenfeld, A. 403  
 Bolin, H.R. 80, 1128  
 Bonanno, A.R. 931  
 Bondari, K. 286, 1144, 392, 54, 226  
 Bongi, G. 185, 444, 326  
 Boone, D. M. & Urban phytonarian series. 648, 990, 549  
 Boone, D.M. 744, 828, 785, 649, 932, 701, 735, 868, 1107, 731, 866, 1105, 734, 1099, 733, 867, 732, 1106, 538, 539, 702, 933  
 Borst, G. 797, 775, 1035, 776, 793, 1034, 716  
 Borys, M.W. 487, 219, 497, 433  
 Bostanian, N.J. 14, 592, 1146  
 Boswell, S.B. 47  
 Bourke, J.B. 987  
 Boyd, J.W. 961  
 Boyonoski, N. 849, 993, 1120

## AUTHOR INDEX

Braswell, J.H. 74, 599, 692  
 Bratley, C. O. 1903-1948. 878, 697  
 Braun, J.W. 109, 409, 91, 372  
 Breakey, E. P. 1900-. 565  
 Brierley, W. G. 1885-. 139, 499, 55  
 Bristow, P.R. 671, 705, 974, 830, 525, 526, 687, 583, 970, 542, 670, 704, 725, 857, 999, 669, 765, 841, 975, 748, 831, 668, 798  
 Brokaw, R. 398  
 Bronstein, J.L. 642, 1068, 1079, 434, 1067  
 Broschat, T.K. 70, 329, 872, 53, 224, 814  
 Brotherson, J.D. 899  
 Brown, D.F. 654  
 Brown, G.K. 49, 1087  
 Brown, G.R. 44, 1008  
 Brown, M.J. 984, 1118, 1140  
 Brown, R.L. 839, 979  
 BTROA. 642, 1068, 1079  
 Buchanan, D.W. 287, 1145, 298, 291  
 Buchmann, S.L. 450, 1142  
 Buckley, J.B. 227, 1012  
 Buckley, J.B. III. 492, 190  
 Burgher, A.M. 264, 1121  
 Burton, C.L. 863, 1104, 860, 880, 722, 780, 723  
 Butterly, R.G. 614, 380, 467  
 Byers, P.L. 447, 111, 1129, 1094, 110, 1093  
 Byther, R.S. 618, 695, 758, 619, 696, 617, 42, 41, 522, 532  
 Cadogan, B.L. 849, 993, 1120  
 CAGRA. 605, 641, 570, 640, 193, 502, 559, 92, 1053, 553  
 Callow, P.W. 196, 507  
 Cameron, J.S. 196, 507  
 Campbell, C.W. 33, 520, 943, 1083  
 Campbell, R.E. 609, 763, 957  
 Campbell, S.D. 718  
 Cane, J.H. 359, 1078, 1064  
 Capellini, R.A. 18, 691, 1124  
 Capinera, J.L. 665  
 Cappellini, R.A. 883, 740, 1108, 865, 727  
 Cargill, B.F. 95, 1089  
 Carlisi, J.A. 250  
 Carlson, S.P. 117  
 Carman, J.G. 899  
 Carmichael, E. 265  
 Caruso, F.L. 873, 755, 752  
 Carver, George Washington, 1864?-. 143, 945  
 CASRB. 908  
 Cavaletto, C.G. 874  
 CAVYA. 487, 551, 603, 775, 1035, 611, 119, 451, 1072, 445, 1131, 123, 463, 219, 497, 398, 317, 711, 777, 47, 767, 840, 980  
 Cawthon, D.L. 478, 235  
 Ceponis, M.J. 18, 691, 1124, 883, 861, 1103, 877, 740, 1108, 772, 1119, 865, 727  
 Chamberlain, J.D. 594, 63, 325  
 Chan, H.T. Jr. 874  
 Chandler, C.K. 323, 260, 151  
 Chaplin, G.R. 876  
 Chaplin, M.H. 228, 1013  
 Chase, A.R. 311, 801, 1011  
 Chase, B.R. 827  
 Chase, D.L. 595  
 Chen, Y.Z. 402  
 Cheng, B.T. 76, 1022  
 Cherif, A. 279, 821, 421, 1130  
 Christoffersen, R.E. 432  
 Chu, M.C. 104, 391  
 Clancy, J.A. 248, 493  
 Clark, J.R. 190, 492, 222, 293, 393, 817, 466, 1033, 227, 1012, 290, 156, 823, 278, 155, 820, 376, 1005, 822  
 Clements, S.J. 658  
 Clift, C. 23  
 Coffey, M. 729, 789, 189, 788, 720, 767, 778  
 Coffey, M.D. 779, 782, 747, 770, 967  
 Cohen, Y. 782  
 Colby, A. S. 1887-. 29, 800  
 Colinas-Leon, M.T. 280, 1123  
 Collins, P.C. 125, 460  
 Compton, M.E. 338  
 Compton, S.G. 297, 1059  
 Conover, C.A. 316, 1003, 1016  
 Conover, M.R. 545, 1076  
 Converse, R.H. 192, 810, 750  
 Coop, L.B. 628  
 Cooper, P.E. 235  
 Coppock, S. 763, 609, 693, 610  
 Couey, H.M. 890  
 Counter, J. W. 90  
 Cowan, A.K. 288  
 Crandall, P.C. 42, 63, 325  
 Crane, J.C. 350  
 Crane, J.H. 850, 442, 81, 352, 847, 479  
 Cranshaw, W.S. 665  
 Creighton, J.F. 948  
 Criley, R.A. 58  
 Crisosto, C. 483  
 Criswell, J.T. 693, 610  
 Cruess, W. V. 1886-. 859, 799  
 CSOSA2. 424, 1029, 245, 490  
 Cull, B.W. 426, 1030, 1095  
 Cumbie, B.G. 500  
 Curtis, O.F. Jr. 951  
 Dallman, T.F. 456  
 Dana, M.N. 920, 905  
 Darrow, George M. 1889-. 48, 736  
 Darvas, J.M. 766, 768  
 Daubeny, H.A. 804  
 Davenport, T.L. 267, 347, 26, 268, 344, 482  
 Davies, F.S. 442, 81, 352, 355, 847, 479, 848, 494, 856, 511, 509, 510, 291  
 Davies, F.S. Buchanan, D.W. 364, 1065  
 Davies, F.T. Jr. 93, 375  
 Davis, D.C. 846  
 Davis, F.S. 365  
 Davis, J.V. 478  
 Davis, T.D. 404  
 Dean, P. 557  
 Degani, C. 170, 367  
 Dekazos, E.D. 52, 62  
 DeMoranville, C.J. 490, 245  
 Demoranville, I.E. 964  
 Denney, J.O. 3, 261  
 Derr, J.F. 955  
 DeRue, T.K. 987  
 Desai, B. B. 1941-. 150  
 Detwiler, Samuel B. 1881-. 48, 736, 714, 1038  
 Deubert, K.H. 245, 490, 904, 458, 258, 902, 998, 947  
 Devlin, R.M. 904, 964, 458, 258, 902, 998, 947  
 Dewey, J.E. 987  
 Deyton, D.E. 236, 1020  
 Di Vito, M. 675  
 Dohn, D.R. 435, 986  
 Dolan, T.E. 782, 770  
 Doll, C. C. 90  
 Dombek, D.G. 393, 227, 1012  
 Donaire, J.P. 369  
 Dong, Y.Y. 432  
 Donnelly, D.J. 213, 378, 446  
 Donselman, H. 70, 872, 329  
 Donselman, H.M. 814  
 Doohan, D. 953  
 Doughty, C.C. 354, 612, 41, 522, 842, 400  
 Doughty, S.C. 232, 333, 370

## AUTHOR INDEX

Douglass, L.W. 51, 309  
 Dozier, W.A. Jr. 34  
 Drake, C.R. 678, 589, 688  
 Draper, A.D. 182, 429, 171, 368, 167, 356, 323, 260, 151, 895  
 Duke, J. 19, 506, 1148  
 Dunn, L.J. 331  
 Durkin, D.J. 212, 77, 812, 259, 461, 816  
 Durner, E. 51, 309  
 Eaks, I.L. 456, 871, 477, 1114  
 Eaton, G.W. 296  
 Eck, P. 302, 277  
 Eckert, J.W. 864  
 ECOLA. 297, 1059, 434, 1067, 554, 204, 415, 512  
 EESAD. 252, 1133  
 Ehler, L. E. 973  
 El-Agamy, S.Z.A. 362, 163  
 El-Tamzini, M.I. 31, 25  
 Elfving, D.C. 357, 203, 1024  
 Elliott, A. 674  
 Ellis, M.A. 774, 136, 790, 742, 753  
 Elsner, E.A. 588, 606, 615  
 Engibous, J.C. 525  
 Erb, W.A. 182, 429  
 Erf, J.A. 914  
 Essig, E. O. b. 1884. 27, 569, 634  
 Esteban, E. 832, 340, 1138  
 Everitt, J.H. 371, 1045  
 EVETEX. 596, 1043, 14, 592, 1146, 593, 1060, 1077  
 EVOLA. 498, 1071  
 Fails, B.S. 419, 436  
 Farah, A.F. 73  
 Fear, C.D. 824, 157, 169  
 Fellers, Carl Raymond, 1893-. 57, 1101  
 Ferguson, I.B. 336  
 Fernandez-Escobar, R. 193, 502  
 Ferrentino, R. 640  
 Ferris, I.G. 982, 1139  
 Ferro, A.J. 405  
 Finkle, B.J. 211  
 Fisher, G. 601, 630  
 Fisher, G.C. 661, 628, 580, 534  
 Fitzell, R.D. 751  
 Flath, R.A. 380, 614  
 Fleuriet, A. 383  
 Flint, W. P. 1882-. 29  
 Flore, J.A. 171, 368, 292, 158, 365, 848, 494  
 FNETD. 755, 873, 751, 760, 754, 860, 761, 674  
 Fontanazza, G. 185, 444, 326, 103, 389  
 Fowler, N.L. 204, 415  
 Fox, T.R. 934, 1056  
 Francke, W. 659  
 Frank, A.B. 749  
 Frank, S.A. 208, 272  
 Franklin, Henry J. 1883-1958. 138, 100, 613  
 Freeman, J.A. 804  
 Fretz, T.A. 942  
 Friesen, L.J. 191, 852  
 Funt, R.C. 914  
 Fuqua, B. 87, 173, 528  
 FVRJA. 810, 192, 824, 157, 83, 837, 168, 278, 820, 155, 954, 423, 181  
 Gaines, T.P. 241, 1031  
 Galensa, R. 412  
 Gallardo-Lara, F. 832, 340, 1138  
 Galletta, G. 175, 386  
 Galletta, G.J. 51, 309, 895  
 Gamburg, K.Z. 462  
 Garber, S. 674  
 Garner, J.O. 897, 1115  
 Garth, J.K.L. 109, 409, 91, 372, 63, 325  
 Gaul, S. 579, 1116  
 Gazaway, W.S. 672, 965, 706  
 Gazit, S. 170, 367  
 George, M.F. 500, 278, 155, 820  
 George, R.A. 750  
 Gilliam, C.H. 34  
 Gilreath, P.R. 298  
 Gladon, R.J. 855  
 Glaze, N.C. 913  
 Goff, E. S. 1852-1902. 533, 107  
 Goffey, M.D. 718  
 Goldring, A. 367, 170  
 Goldy, R.G. 174, 448, 186  
 Gomez, E. 104, 391  
 Gomez, M. 832, 340, 1138  
 Gonzalez-Rosas, H. 123, 463  
 Goo, T. 132, 471  
 Gooch, M. 58  
 Goodwine, W.R. 740, 1108  
 Gorchov, D.L. 363, 1044  
 Gorder, G.W. 587, 971, 1000  
 Goren, R. 327  
 Gorske, S.F. 942  
 Gough, R.E. 217, 1097, 5, 373, 838, 476, 818, 137, 488  
 Goulart, B. 897, 573, 683, 572, 682, 519, 898  
 Goulart, B.L. 188, 129, 699  
 Gouyon, P.H. 498, 1071  
 Graham, D. 402, 876  
 Graves, W.R. 855  
 Gray, S.E. 51, 309  
 Greer, H.L. 957  
 Greidanus, Ted. 303, 1009  
 GRLEA. 588  
 Gronwald, R.F. 524  
 Grout, J.M. 215, 401, 106, 399  
 Guelfat-Reich, S. 427  
 Guillemet, F.B. 718  
 Guinivan, R.A. 972, 1117  
 Gupta, V.K. 870, 741  
 Gupton, C.L. 195, 854, 343, 60, 164, 491  
 Gustafson, C.D. 550, 651  
 Guthier, E. H. 1895-. 799, 859  
 Haby, V.A. 116, 1006, 1096, 478  
 Haines, W. Sr. 524  
 Hall, D.W. 939  
 Hameed, A.A. 620, 888, 1110  
 Hamilton, Louis J. 508, 1091  
 Hamilton, R.A. 608  
 Hammer, L.H. 454, 1073  
 Hanchar, J.J. 16, 147, 962, 13, 907  
 Hancock, J.F. 159, 113, 417, 1028, 97, 530, 1025, 196, 507, 124, 180, 418, 149  
 Hancock, J.F. Jr. 368, 171, 292, 158  
 Haniotakis, G. 659  
 Haniotakis, G.E. 626, 1066, 1081  
 Hansen, H. N. 1891-. 875, 1100  
 Hanson, E. 958, 919  
 Hanson, E.J. 97, 530, 1025, 85, 172  
 Hargrave, D.L. 264, 1121  
 Harris, C. 674  
 Hartung, J.S. 722  
 Harvey, John M., 1921-. 879, 698  
 Hauschild, Karen. 541, 142, 996  
 Hayden, R.A. 531  
 Hegwood, C.P. Jr. 74, 692, 599  
 Heileman, W. H. 143, 945  
 Heimann, M.F. 785  
 Heisler, E.G. 772, 1119  
 Hellman, E.W. 492, 190, 423, 181, 162  
 Helton, A. W. 703  
 Hemming, F.W. 275  
 Hemstreet, S. 92, 1053, 481, 135  
 Hepler, P.R. 246, 994, 420, 315

## AUTHOR INDEX

Hepperly, P.R. 708, 721  
 Herrmann, K. 412  
 Hertz, L.B. 954  
 Hertz, Leonard B. 40, 575, 127  
 Hessein, N.A. 633  
 Hicks, K.B. 264, 1121  
 Hield, H. 92, 1053, 481, 135  
 Hill, Robert George, 1922-. 82  
 HJHSA. 190, 492, 447, 113, 417, 1028, 134, 480, 72, 981, 382, 44, 1008, 182, 429, 311, 801, 1011, 61, 455, 122, 286, 1144, 161, 304, 101, 217, 1097, 335, 195, 854, 853, 386, 175, 300, 496, 844, 114, 851, 863, 1104, 124, 22, 255, 886, 111, 1129, 1094, 476, 818, 170, 367, 94, 991, 133, 935, 323, 414, 191, 852, 273, 154, 994, 246, 240, 165, 923, 13, 907, 360, 855, 883, 387, 876, 861, 1103, 140, 503, 73, 474, 979, 839, 871, 344, 131, 470, 397, 1027, 132, 471, 186, 448, 31, 25, 75  
 Hodgins, M.W. 273, 154  
 Hoelper, A.L. 922  
 Hoffman, M.P. 654, 604  
 Hoffmann, M.P. 605, 641, 570, 667, 645, 644, 639, 555, 637  
 Hogenson, R.O. 980, 840  
 Hopfinger, J.A. 79, 1023  
 Horne, W. T. 1876-. 726  
 Horton, D. 39, 521  
 Horton, D.J. 598  
 Howard, D.F. 177, 616  
 Howard, S.W. 833, 976, 915  
 Hsieh, S.P.Y. 773  
 Hudson, D.E. 745  
 Huffaker, C.B. 577, 558  
 Hughes, H.G. 83, 837, 168, 851, 665  
 Hughes, J. 819, 966  
 Hughes, K.W. 388, 176, 102  
 Hull, J. 958, 919  
 Hummel, R.L. 360  
 Huss, B. 285, 719  
 Hussain, M. 379  
 Hylin, J.W. 890  
 Ibrahim, M. 498, 1071  
 Ingenbleek, Y. 283  
 Ingram, D.L. 334  
 Inserra, R.N. 675  
 Isenberg, Y.M. 356, 167  
 Isham, Paul D. 1906-. 57, 1101  
 Ismail, A. 927  
 Ismail, A.A. 16, 147, 962, 246, 994, 923, 13, 907, 944, 892, 940, 910, 893, 911, 924  
 Ito, P.J. 608  
 Itoo, S. 216, 443, 1111  
 JAFCAU. 383, 614, 380, 412  
 Janick, J. 306  
 Jankowski, K. 504  
 JAUPA. 708  
 JCECD. 658, 631, 626, 1081, 1066, 654, 659, 556, 667  
 JEENAI. 594, 624, 597, 177, 616, 890  
 Jennings, D.L. 10, 194, 802, 265  
 Jensen, K. 953  
 Jensen, K.I.N. 929, 133, 991, 935, 96, 921  
 JFDSA. 269, 1122, 284  
 JIVPA. 665  
 JLPSA. 568, 1080, 1058  
 JMSSA. 928  
 Johansen, C. 465, 988, 1074  
 JOHEA. 176, 388, 102  
 Johnson, C.R. 360, 394, 214, 395, 510, 334, 312  
 Johnson, D. Jr. 956  
 Johnson, D.H. 916, 917  
 Johnson, D.I. 563  
 Johnson, D.T. 567, 566  
 Johnson, E.L.V. 322, 1018  
 Johnson, M.W. 645, 644, 639, 555  
 Johnson, S.B. 796, 728  
 Joiner, J.N. 394, 93, 375, 312  
 Jolley, V.D. 223, 1010  
 Jones, A.L. 759  
 Jones, B.F. 622  
 Jones, C. P. 138  
 Jones, Leon K. 1895-. 24, 710  
 Jordano, P. 554  
 Joseph, M.C. 747  
 JOSH. 126, 1113, 159, 906, 66, 1125, 346, 327, 456, 484, 1036, 1098, 442, 500, 243, 69, 81, 352, 2, 256, 1143, 338, 116, 1006, 1096, 187, 449, 516, 179, 408, 515, 196, 507, 236, 1020, 5, 373, 838, 310, 225, 401, 215, 106, 399, 1, 251, 355, 478, 213, 378, 337, 1109, 1126, 171, 368, 185, 444, 292, 158, 488, 137, 450, 1142, 167, 356, 264, 1121, 485, 296, 54, 226, 21, 254, 483, 514, 365, 313, 169, 427, 343, 263, 207, 3, 261, 846, 881, 162, 374, 321, 1017  
 JPFCD2. 849, 993, 1120, 340, 832, 1138  
 JPGRDI. 288, 462  
 JPNUD. 486  
 JPNUDS. 244, 1007, 505, 247, 144, 239  
 Junntila, O. 289  
 Kader, A.A. 882, 815, 1112  
 Kadhum, A.A. 620, 888, 1110  
 Kadow, K. J. 1908-. 709  
 Kahn, V. 269, 1122  
 Kalinina, G.A. 320  
 Kao, C.W. 773  
 Karnikova, L.D. 320  
 Karrfalt, R.P. 385  
 Kato, J. 381  
 Kaurin, A. 289  
 Kavanaugh, M. 358, 1063  
 Ke, S. 175, 386  
 Keese, P. 811  
 Kendig, A. 925  
 Kendig, J.A. 916, 917  
 Kenley, C. 674  
 Kennett, C.E. 577, 558  
 Kenney, P. 177, 616  
 Kerbel, E.L. 886  
 Kerkhoff, K.L. 68  
 Kerler, F. 197, 1134  
 Kerr, Eric D. 783  
 Kesner, C.D. 85, 172  
 Kimball, E.R. 929  
 King, A.D. Jr. 80, 1128  
 King, G.G.S. 658  
 Kjellberg, F. 498, 1071  
 Klein, I. 144, 505, 247  
 Klingaman, G.L. 917  
 Kloe, S.P. vander. 202, 342, 470, 131  
 Kloe, S.P.V. 201, 308  
 Knight, A.L. 628  
 Knight, R. 407  
 Knight, R.J. Jr. 33, 520, 184  
 Knowles, J.W. 34  
 Knox, G.W. 382, 981  
 Koncal, J.J. 942  
 Korcak, R.F. 244, 1007, 243, 21, 254, 151, 260, 486, 318, 1001, 339, 1002, 231, 324  
 Kotze, J.M. 768  
 Koval, C.F. 933, 702  
 Kowalenko, C.G. 229, 314, 1014, 233, 1004  
 Kozaki, I. 22, 255  
 Krantz, J.K. 312  
 Kraut, J.L. 1, 251  
 Krebs, S.L. 159, 507, 196

## AUTHOR INDEX

Kreitlow, K.S. 295, 1040  
 Krejsa, B.B. 478  
 Krewer, G. 39, 521  
 Kriedemann, P.E. 205, 495  
 Krieger, R.I. 986, 435  
 Krueger, H.R. 136, 790, 742  
 Krupinsky, J.M. 749  
 Kubo, I. 631  
 Kunoh, H. 884  
 Kuo, T.M. 253  
 Kushad, M.M. 407, 405  
 Kuzina, G.V. 320  
 Kwik, Kian Djiang, 242, 1032  
 La Lone, R. 630  
 Labanauskas, C.K. 322, 1018  
 Lagarda, A. 263, 207  
 LaLone, R. 628  
 Lang, G.A. 514, 437  
 LaPre, L.F. 645, 644, 639, 555  
 Larque-Saavedra, S. 317  
 Larson, L.J. 985, 535, 1141  
 LaRue, J. 322, 1018  
 Lathrop, Frank H. 1891-. 43, 576, 1086, 564  
 Laties, G.G. 178, 406  
 Lauer, F.I. 169  
 Lauritis, J.A. 395, 214  
 Lautenschlager, R.A. 926, 1046  
 Lavee, S. 439, 130, 469, 36, 345, 105, 206, 262, 117  
 Lavi, U. 367, 170  
 Lawson, V.F. 824, 157  
 Leach, S.S. 796, 728  
 LeBaron, H.M. 794  
 LeCain, D.R. 94  
 Leebuhr, R.L. 95, 1089  
 Lee, S.K. 885, 374  
 Leeper, J.R. 7, 600  
 Leete, E. 440  
 Leonard, A.T. 116, 1006, 1096  
 Leonhardt, B.A. 654  
 Leonova, L.A. 462  
 Lester, H.H. 295, 1040, 459, 1047  
 Leu, L.S. 773  
 Lewis, A.J. 419, 436  
 Liang, W.J. 773  
 Lichtenstein, E.P. 982, 1139, 587, 971, 1000  
 Lieberman, M. 276, 282  
 Lietzke, D.A. 236, 1020  
 Lightner, G.W. 18, 691, 1124  
 Lindgren, J.E. 553, 636  
 Linden, T. 12, 121  
 Ling, L.C. 380, 614, 467  
 Linse, E.S. 890  
 Lipe, J.A. 67  
 LLOYA. 504, 440  
 Lockshin, L.S. 203, 357, 1024  
 Lofgren, John A. & Horticulture fact sheet. 40, 575  
 Lomas, J. 2, 256, 1143  
 Lopardo, S.V. 8, 756  
 LPDSAP. 283  
 Luby, J.J. 169  
 Luna-Lopez, J. 497, 219  
 Luna, J.M. tech. coord. 544  
 Lundergan, C.A. 250  
 Lutz, L. 379  
 Lynch, A.A. 84, 978  
 Lyons, C.G. 98  
 Lyrene, P.M. 165, 174, 416, 186, 448, 163  
 Maass, D.I. 936, 1048  
 Macheix, J.J. 383  
 Mackay, T.S. 937, 1049  
 MacPhee, A. 579, 1116  
 MacSwan, I.C. 761  
 MAEBB. 74, 599, 692  
 Maguire, J.D. 248, 493  
 Mahr, D. L. 648, 990, 549  
 Mahr, D.L. 932, 649, 701, 538, 539  
 Maier, C.T. 624  
 Mailoux, G. 14, 592, 1146  
 Mainland, C.M. 853, 655  
 Maness, E.P. 179, 408, 515  
 Manousis, T. 584  
 Marlatt, R.B. 943, 1083  
 Marouf, B.A. 410  
 Marriott, R.J. 274  
 Martin, Dean. 89  
 Martin, G.C. 327, 502, 193, 514, 313, 437, 263, 207, 75, 130, 469, 36, 345, 105, 117  
 Martin, L.W. 844, 114, 612, 228, 1013  
 Martin, W.C. 319, 230  
 Marucci, P. 518  
 Marzouk, B. 821, 279, 421, 1130  
 Mason, J.W. 966, 819  
 Massey, L.M. Jr. 827  
 Matsumoto, A. 631  
 Matsuta, N. 22, 255  
 Matta, F.B. 997, 1115  
 Matthew, D.L. Jr. 531  
 Maxson, J. 693, 610  
 Mayer, G. 886  
 Mayes, R.L. 567, 566  
 Mazliak, P. 279, 821  
 Mazomenos, B.E. 626, 1066, 1081  
 Mazza, G. 273, 154, 284  
 McCarthy, E.J. 112, 1090  
 McConneill, D.B. 45, 299, 394  
 McCormack, M.L. Jr. 937, 1049  
 McDonald, G.I. 738, 1042  
 McDonald, J.E. 840, 980  
 McDonough, L.M. 605, 641, 551, 603, 638, 654, 667, 604  
 McEachern, G.R. 98, 3, 261  
 McGiffen, M.E. Jr. 593, 1060, 1077  
 McKenny, M.V. comp. 523  
 McKenzie, Howard L. 562  
 McMillan, R.T. Jr. 713  
 McCormack, M.L. 936, 1048  
 McMurtry, J.A. 633  
 McNeil, Robert James. 99, 377  
 McPheeters, K.D. 175, 386  
 McVay, J.R. 706, 672, 965  
 Meade, J. 573, 897, 683, 572, 682, 519, 898  
 Meador, D. B. 90  
 Megalos, B.S. 449, 187, 516  
 Mencuccini, M. 185, 444  
 Mendel, Z. 596, 1043  
 Menge, J.A. 322, 1018  
 Meyer, J.R. 593, 1077, 1060, 590, 690, 655  
 Michaud, M. 420  
 Mignucci, J.S. 708, 721  
 Milholland, R.D. 590, 690  
 Miller, K.V. 664  
 Milne, D.L. 766  
 Minore, D. 145, 1057, 1054  
 Mislevy, P. 939  
 Mitchell, E.R. 556  
 Mitchell, F.G. 886  
 Miyazaki, J.H. 428  
 Mizell, R.F. III. 981, 382  
 Mohammed, S. 330, 234  
 Mon, T.R. 614, 380  
 Monaco, T.J. 853, 946  
 Moon, J.W. Jr. 171, 368, 292, 158  
 Moore, B.J. 725  
 Moore, J.N. 447, 290, 823, 156, 111, 1129, 1094, 822, 162, 348, 1147

## AUTHOR INDEX

Moore, N.F. 584  
 Moore, P.D. 757, 349, 1061  
 Moran, R. 351, 1062  
 Moreau, F. 425  
 Morgan, D.L. 346  
 Mori, K. 659  
 Moriguchi, T. 22, 255  
 Morris, J.B. 64, 1088  
 Morris, J.R. 66, 1125, 71, 1127, 65, 235  
 Morse, F. W. 1865-. 138  
 Morse, J.G. 548  
 Mowers, E.P. 232, 333  
 Mowers, R.P. 370  
 Mowry, T.M. 607  
 MUCBA. 958, 97, 530, 1025, 85, 172, 737, 586, 919, 759, 677, 571, 681, 574, 684, 607, 606  
 Mukherjee, D. 870, 741  
 Mullins, C.A. 236, 1020  
 Murant, A.F. 807, 679  
 Murashige, T. 455, 122, 266, 152  
 Murdoch, W.W. 558  
 Muriithi, L.M. 390  
 Murphy, M.K. 711  
 Myers, S. 39, 521  
 Naeve, Linda. 20  
 Nakamura, A.N. 890  
 Narula, A.S. 513  
 Nasu, H. 884  
 NATUAS. 349, 757, 1061  
 Nehrbas, S.R. 61  
 Nell, T.A. 214, 395  
 Nelles, J.E. 213, 378  
 Nelson, E. 844, 114  
 Nelson, G.S. 235  
 Nelson, J. 417, 113, 1028  
 Nelson, J.W. 507, 196  
 Nelson, S.D. 223, 1010  
 NEPHA. 369  
 Nesheim, G.N. 763, 609  
 Neuendorff, E.W. 126, 1113, 484, 1036, 1098, 116, 1006, 1096, 478  
 Niazi, Z.M. 31, 25  
 Nichols, B.G. 468  
 Nickels, C. B. 1898-. 43, 576, 1086, 564  
 Nimir, G. 126, 1113  
 Nishijima, C. 327, 117  
 Nishimoto, R.K. 839, 979  
 NONGA. 6, 438, 845  
 Norton, John S. 38  
 Norton, R.A. 915, 976, 833, 32  
 Norvell, D.J. 348, 1147  
 NOSCA. 145, 1057, 1054  
 Nothnagel, E.A. 456  
 Nsimba-Lubaki, M. 489, 1050  
 O'Rourke, E.N. 232, 333, 370  
 O'Rourke, M.K. 450, 1142  
 OARCB. 212, 260, 151, 664, 914  
 Oatman, E.R. 559  
 Odneal, M. 87, 173, 528  
 Offord, H. R. 1903-. 764, 717, 1039, 35  
 Ogata, J. 890  
 Ogawa, J.M. 864  
 Ohlrogge, J.B. 253  
 Ohr, H. 720  
 Ohr, H.D. 711, 718  
 Oliver, A.D. 560  
 Olsen, K. 654  
 Olsen, K.N. 605, 641, 570, 551, 603, 638  
 Olszack, R. 33, 520  
 Omura, M. 22, 255  
 Orloski, E. 379  
 ORRDA. 790, 136  
 Oslund, C.R. 344  
 Osman, S.F. 772, 1119  
 Oster, J.D. 398  
 Otterbacher, A.G. 175, 386, 181, 423  
 Palmer, D. F. 1899-. 726  
 Palmer, T.Y. 4, 198  
 Pammel, L. H. 1862-. 945, 143  
 Pare, J.R.J. 504  
 Parfitt, D.E. 414, 869, 160  
 Parrella, M.P. 640  
 Pascoe, F.H. 663  
 Patten, K.D. 126, 1113, 484, 1036, 1098, 116, 1006, 1096, 478  
 Patterson, B.D. 402  
 Patterson, M.G. 965, 672, 706  
 Patterson, R.M. 230, 319  
 Paull, R.E. 471, 132  
 Pavlis, G.C. 699, 188, 129  
 Pavuk, D.M. 656, 1070, 1082  
 Payne, J.A. 598, 359, 1064, 1078  
 Payne, L.A. 402  
 PCBPB. 285, 719  
 Peabody, D.V. 963, 950, 42, 894  
 Peak, C.M. 751  
 Peasley, D. 751  
 Pecknold, P.C. 531  
 Pecknold, Paul C. 689, 784  
 Pegg, K.G. 426, 1030, 1095  
 Pentzer, W. T. 1901-. 698, 879, 697, 878  
 Perez, J.D. 340, 832, 1138  
 Perkins, R.M. 49, 1087  
 Persons, C.J. 657  
 PESWA. 656, 1082, 1070, 218, 660, 941  
 Peters, S.C. 484, 1036, 1098, 478  
 Peterson, D.V. 236, 1020  
 Peterson, J.C. 212, 77, 259, 812, 461, 816  
 Peterson, L.A. 300  
 Peterson, N.C. 457, 1084, 1132  
 Peterson, R. M. 89  
 Peumans, W.J. 489, 1050  
 Pfeiffer, D.G. 589, 688  
 PFSHA. 362, 891, 26, 268, 287, 1145  
 Phatak, S.C. 913  
 Phillips, R.L. 84, 978  
 PHYTA. 782, 747  
 PHYTAJ. 967  
 Pitt, D.G. 960, 1052, 959, 1051  
 Platner, G.R. 559  
 PLDIDE. 18, 691, 1124, 779  
 PLDRA. 884, 974, 830, 750, 770, 744, 828  
 Pliego-Alfaro, F. 455, 122  
 Ploetz, R.C. 328, 746, 829  
 PLPHA. 403, 407, 428, 468, 295, 1040, 494, 848, 489, 1050, 336, 402, 441, 405  
 PNWSB. 960, 1052, 936, 1048, 959, 1051, 926, 1046, 952, 937, 1049, 909, 918, 922, 944, 892  
 Polito, V.S. 207, 263, 206, 262  
 Pommel, E.H. 719, 285  
 Ponder, B.M. 568, 1058, 1080  
 Poole, R.T. 316, 1003, 1016  
 Popenoe, J. 503, 140  
 Powell, A.A. 332, 1092, 1019  
 Powell, C.L. 321, 1017  
 PPETAG. 633  
 PPGD. 381, 432, 347, 379, 482  
 Preece, J.E. 338  
 Priesner, E. 657  
 Pritts, M.P. 69, 61, 196, 507, 149, 180, 418  
 PRNCA. 232, 333, 330, 370  
 PYCHA. 208, 272  
 Quaintance, A. L. 552, 1037  
 Quaintance, A. L. 1870-1958. 578  
 Quick, Clarence R. 1902-. 50, 739  
 Race, S. 573, 897, 683, 572, 682, 518, 898

## AUTHOR INDEX

Ragab, M.T.H. 579, 1116  
 Rahier, A. 285, 719, 513  
 Railton, I.D. 288  
 Raine, J. 658  
 Rallo, L. 130, 469  
 Ramadasan, A. 366, 205, 495  
 Ramsdell, D. 759  
 Ramsdell, D.C. 529, 537, 694, 722, 808, 806  
 Rangan, T.S. 390  
 Rasnake, M. 44, 1008  
 Rausher, M.D. 415, 204  
 Raviv, M. 115, 431, 341, 384  
 Raymond, M. 498, 1071  
 Read, P.E. 215, 401, 106, 399  
 Redlich, H. 659  
 Reduker, S. 968, 1135  
 Reed, D.W. 346, 239  
 Reeve, J.D. 558  
 Reich, L. 324, 231  
 Reich, L.A. 318, 1001, 339, 1002  
 Reid, M.S. 336  
 Reinert, J.A. 585  
 Renquist, A.R. 83, 837, 168, 851  
 Retan, A.H. 619, 696, 617  
 Reuveni, O. 209, 305, 431, 115, 341, 384  
 Reynolds, J.F. 152, 266  
 Reynolds, P.E. 960, 1052, 959, 1051, 937, 1049  
 Richardson, D.G. 405  
 Riederer, M. 199, 1136, 200, 1137, 301, 969, 826  
 Riov, J. 403  
 Rippetoe, L.W. 298  
 Robbins, J. 337, 1109, 1126  
 Robbins, J.A. 354, 400, 842  
 Roberts, Sherri L. 673  
 Robertson, H.G. 297, 1059  
 Roden, M.J. 960, 1052, 959, 1051  
 Rodriguez-Rosales, M.P. 369  
 Rodriguez-Santiago, C. 708  
 Rogers, N. 674  
 Rogoyski, M.K. 851  
 Rohrbach, R.P. 112, 1090, 655  
 Romani, R. 425  
 Romani, R.J. 336  
 Rose, Dean H.\_1878-1963. 697, 878  
 Rose, M. 643  
 Rosenbaum, S.E. 214, 395  
 Rosenstiel, R. G. 989, 646  
 Rosentiel, R.G. 580  
 RRMSD. 997, 1115, 125  
 Rudolph, B. A.\_1889-. 138  
 Rugini, E. 326, 389, 103  
 Sacalis, J.N. 212, 77, 812, 259, 461, 816  
 Sahar, N. 387  
 Sakovich, N.J. 548  
 Salazar-Garcia, S. 123, 463, 317, 433  
 Saltveit, M.E. 432  
 Salunkhe, D. K. 150  
 Sances, F.V. 645, 980, 840, 644, 639, 555  
 Sanderson, K.C. 230, 319  
 Sanok, W.J. 948  
 Sapers, G.M. 264, 1121  
 Sarahah, J.B. 426, 1030, 1095  
 Sarig, Y. 49, 1087  
 Schaertl, G.R. 936, 1048  
 Schaffer, B. 328, 829, 746  
 Schaller, C.C. 86, 527, 88  
 Scheer, W.P.A. 42, 41, 522  
 Schekel, K.A. 94  
 Schemske, D.W. 453, 120  
 Schmitt, P. 285, 719, 513  
 Scholefield, P.B. 205, 495  
 Schonherr, J. 199, 1136, 200, 1137, 197, 1134, 252, 1133, 301, 969, 826  
 Schroeder, C.A. 445, 1131  
 Schroeder, M. 87, 528, 173  
 Schulte-Pason, N.L. 863, 1104  
 Schumann, C.M. 507, 196  
 Schurig, V. 659  
 Schwarz, M.R. 828, 744, 867, 732, 1106  
 Schwerther, Harvey Allen,. 422  
 Scorza, R. 331  
 Scott, H.D. 447  
 Seabrook, W.D. 568, 1058, 1080  
 Sedgley, M. 307, 210  
 Segal, N. 427  
 Seifert, R.M. 467  
 Selleck, G.W. 948  
 Shabana, H.R. 234  
 Shafer, W.E. 252, 1133  
 Shaladan, M.S. 31, 25  
 Shanks, C. 671, 705, 525, 526, 542, 704, 670, 857, 669, 999, 668, 798  
 Shanks, C.H. 653, 42, 988, 465, 1074, 41, 522  
 Shanks, C.H. Jr. 652, 594, 661, 595  
 Shanks, J.B. 6, 845, 438  
 Sharon-Raber, O. 269, 1122  
 Shaver, G.R. 512  
 Shawa, A. 963, 950  
 Shawa, A.Y. 671, 705, 901, 525, 900, 526, 542, 704, 670, 846, 669, 999, 857, 765, 841, 903, 825, 668, 798  
 Shawa, A.Y. Shanks, C. 583, 970, 687  
 Shear, C. L.\_1865-1956. 730  
 Sherman, W.B. 163  
 Shine, J. Jr. 287, 1145  
 Shorthouse, J.D. 218, 660, 941  
 Shurtliff, M. C. 90  
 Siatras, A.J. 37, 1085  
 Sibbett, G.S. 36, 117  
 Siciliano, J. 772, 1119  
 Siefker, J.A. 124  
 Siewek, F. 412  
 Silva, J.L. 997, 1115  
 Sims, C.A. 66, 1125, 65  
 Sirkin, A. 430, 805, 183  
 Sirkin, B. 430, 805, 183  
 Sitrit, Y. 403  
 Sjulin, T.M. 337, 1109, 1126  
 Skelton, F.E. 213, 378  
 Skinner, S.P. 16, 962, 147, 13, 907  
 Skirvin, R. M. 90  
 Skirvin, R.M. 175, 386, 104, 391  
 Skirvin, R.M. 181, 423  
 Slessor, K.N. 658  
 Smagula, J.M. 420, 315  
 Smith, A. 640  
 Smith, G.M. 468  
 Smith, John Bernhard,\_1858-. 623  
 Smith, Leslie M.\_1903-. 662  
 Smith, R.J. Jr. 938  
 Smith, Ralph E.\_1874-. 875, 1100  
 Smithhisler, C.L. 654  
 Soderstrom, E.I. 467  
 Solomos, T. 140, 503  
 Sondey, S.M. 264, 1121  
 Soowal, J. 9, 166, 602  
 SOPPA. 320  
 Spalding, D.H. 891  
 Spiegel-Roy, P. 387  
 Spiers, J.M. 134, 480, 72, 928, 335, 225, 310, 485, 74, 692, 599, 238, 396, 1026, 397, 1027, 491, 361, 834  
 Spittler, T.D. 987  
 Springer, J. 683, 897, 573, 682, 572, 898, 519  
 Stace-Smith, R. 804, 806  
 Stafford, H.A. 295, 1040, 459, 1047

## AUTHOR INDEX

Stahl, Arthur L. 281  
 Stamm, G.K. 908, 912  
 Stang, E.J. 920, 905  
 Starr, M.S. 827  
 Stevens, H. E. 1880-. 680  
 Stewart, J. 760  
 Stieber, T. 300  
 Stienstra, Ward. 40, 575  
 Stinson, E.E. 772, 1119  
 Stout, Arlow Burdette, 1876-. 452  
 Stout, S. 379  
 Stretch, A.W. 861, 1103, 877  
 Strohman, R.A. 398  
 Stucker, R.L. 169  
 Stushnoff, C. 852, 191, 289  
 Stutte, G.W. 313  
 Sugiura, A. 161, 304, 474  
 Sun, F.Z. 75  
 Sundaram, K.M.S. 993, 849, 1120  
 Sutter, E.G. 483  
 Swanson, H. E. 1903-. 717, 1039  
 Swartz, H.J. 182, 429, 51, 309  
 SWSPB. 913  
 Symons, R.H. 811  
 TAAEA. 112, 1090, 37, 1085, 655  
 TAEBA. 98  
 Takase, I. 631  
 Takeda, F. 496  
 Talbert, R. 925  
 Talbert, R. E. 78, 148, 977  
 Talbert, R.E. 916, 917, 956  
 Tang, C.S. 839, 979  
 Tao, R. 304, 161  
 Tassan, R.L. 577  
 Tate, B. 237, 1021  
 Taurorus, T.E. 707  
 Teasdale, J.R. 895  
 Templeton, A. 379  
 Templeton, G.E. 938  
 Tepper, B. 713  
 Teramura, A.H. 291  
 Teviotdale, B.L. comp. 523  
 Thompson, A. 324, 231  
 Thompson, A.H. 318, 1001, 339, 1002  
 Thompson, N.P. 972, 1117, 84, 978  
 Thompson, W. 787, 561  
 Thomson, J. 953  
 Thomson, W.W. 456  
 Thornburg, W. 890  
 Tietjen, W.H. 745  
 Ting, I.P. 980, 840  
 Tingle, F.C. 556  
 Tisserat, B. 464  
 Tisserat, B.H. 211  
 Tomana, T. 474  
 Torien, J.C. 766  
 Toscano, N.C. 645, 644, 639, 555  
 Toumey, J. 625  
 Townsley, P.M. 707  
 TPLNA. 934, 1056  
 Tracy, J.E. 398, 843  
 Traitler, H. 283  
 Treeby, M.T. 56  
 Tsatsarelis, C.A. 37, 1085  
 Tucker, M.L. 406, 178  
 Tumanov, I.I. 320  
 Tunnock, S. 582, 1041, 1055  
 Turner, M.A. 346  
 Uchrin, C.G. 968, 1135  
 Ueda, J. 381  
 Ulrich, J.M. 211  
 Usubillaga, A. 257  
 Valdeyron, G. 498, 1071  
 Valdivia, V.V. 123, 463  
 Valenzuela, Jorge B. 473  
 Van Atta, G. R. 1899-. 717, 1039  
 Van Steenwyk, R.A. comp. 523  
 Vance, Ben F. 146, 20  
 Varakina, N.N. 462  
 Vetro, R. 890  
 Vidaver, W.E. 446  
 Vincent, Neil Joshua. 472, 1075  
 Vinkler, C. 441  
 Voerman, S. 657  
 Vojnikov, V.K. 462  
 Waite, B.H. 390  
 Walcott, J.J. 205, 495  
 Walden, Benjamin Hovey. 647  
 Walsh, C.S. 1, 251, 51, 309, 503, 140  
 Wample, R.L. 94  
 Wang, C.C. 773  
 Warman, P.R. 424, 1029, 59, 1015  
 Warmund, M.R. 500, 278, 820, 155  
 Washington, W.S. 754  
 Waterhouse, L.G. 319, 230  
 Weaver, M.J. 589, 688  
 Weems, J. B. 143, 945  
 WEESA6. 946, 16, 147, 962  
 WEFGA. 30, 17, 862, 771  
 Weigel, R.C. 102, 176, 388  
 Weinzierl, R. 534  
 Weiss, M.J. 664  
 Welker, W.V. 331  
 Weller, S.C. 531  
 Weng, V. 135, 481  
 Wepplo, P. 413  
 Werner, J.J. 664  
 Whalon, M.E. 588, 607, 606, 615  
 Wheeler, W.B. 972, 1117  
 Whiley, W.W. 426, 1030, 1095  
 Whitcomb, C.E. 237, 1021  
 Whitehead, D.R. 887  
 Whitney, G.G. 475, 1069  
 Whitsell, R.H. 47  
 Whorton, J. 889, 1102  
 Wichert, R.A. 916  
 Wiebe, Wayne. 783  
 Wiedenfeld, R.P. 240  
 Wilcox, D. 511, 856  
 Wilcox, R. B. 1889-. 46, 724  
 Wilcox, W.F. 771  
 Wildung, D.K. 215, 401, 954  
 Williams, J.C. 230, 319  
 Williams, J.M. 68  
 Williams, R.N. 656, 1082, 1070, 664, 136, 790, 742, 753  
 Willis, R.B.H. 876  
 Willson, M.F. 453, 120  
 Wilson, R.H. 939  
 Windom, G.E. 830, 974  
 Winer, L. 441  
 Wing, R.W. 849, 993, 1120  
 Winkler, F. 987  
 Winnett, G. 968, 1135  
 Winter, H. 283  
 Witherell, P.C. 629, 891  
 WLSBA. 545, 1076  
 Wolf, A. 220, 501  
 Wolfe, D. 44, 1008  
 Wolfenbarger, D. O. 621, 676  
 Woolley, J.B. 643  
 Worden, K.A. 69  
 Worf, G. 760  
 Wrolstad, R.E. 411  
 WUEXA. 652, 543, 1149, 618, 695, 661, 705, 671, 901, 525, 526, 863, 687, 970, 583, 696, 619, 704, 670, 950

## AUTHOR INDEX

XAAHA. 679, 807  
Yamashita, T.T. 636  
Yandell, B. 906  
Yang, S.F. 428  
Yarborough, D.E. 952, 16, 147, 962, 923, 13,  
907, 909, 918, 922, 944, 892, 940, 910, 927,  
893, 911, 924  
Yarris, L. 581  
Yelenosky, G. 407  
Yerington, A.P. 467  
Yoder, K.S. 678, 589, 688  
Yoon, K.R. 411  
Yost, J. 640  
Young, R.E. 885, 374, 280, 1123, 270  
Zaki, A.I. 794  
Zarrouk, M. 279, 821, 421, 1130  
Zeki, L. 410  
Zentmyer, G.A. 777, 786, 792, 762, 743, 794  
Zilkah, S. 247, 505, 144  
Zuck, M.G. 752  
1932-. 242, 1032  
1940-. 303, 1009, 353  
1941-. 422  
1942-. 473  
1943-. 472, 1075







NATIONAL AGRICULTURAL LIBRARY



1022259272



1022259272